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J. Groth

1984-1989

Log of Sound Tapes

The original Log is in Sound Lab

TAPE LOG

J. G. Groth

1984 — 1989

These recordings were made specifically for a project on red crossbills (*Loxia curvirostra*). The idiosyncratic notations in this log were developed to accelerate the process of translating taped material into a hard copy transcription.

Tape counter numbers are given in the left-hand sides of pages. All cassette tapes were transcribed, analyzed, and counted using Sony TCM5000 recorders. Reel-to-reel tapes were recorded on Uher 4000 series recorders. For playback in the future, these numbers will vary depending upon the particular machine used.

Sonograms were made from material at various segments of the tapes, and these are shown (usually on the right side of the page) in circled numerals.

Numbers used in the textual part of the transcription usually refer to "tape numbers" of individual red crossbills used in the project. See Groth, UCPZ vol. 127, for a listing of these numbers cross-referenced to the catalog numbers of voucher specimens.

Particular attention was given to flight calls of crossbills. For example, the phrase "542 good" indicates a good series of calls from bird 542. The notation "wild birds" always indicates recordings of crossbills. Text in parentheses are direct quotes made during the original recording.

Additional field notes, and recordings of the vocalizations of other species, are included on the tapes. Shorthand indications for noteworthy observations are given.

s/s

51 wild calls

another singing and calling (Type 4?)

69 extensive song, with calls

s/s 71

s/s 73 Type 3 bird flies over

s/s 76 tooping (call type?)

s/s 80 wild Type 2 flies over
good calls

s/s 92 Type 3 calls good ("lone ♀ in flight")

s/s 98 dialog: have 43 & 33 as decoys
(some of their pskeeps)

s/s 103 pointed at a wild bird

s/s 113 wild bird (Type 2 good)

s/s 115

s/s 120 far off, o.k. tooping, at least 2 birds, also some song phrases

s/s 131 continued

s/s 135 nothing

39 A
July 29 1984

Mt. Palomar, S. Cal.

0.

Aug 2 1984 Mt. Tamalpais, Calif.
"crossbills all over, Pine siskins, too.
6:27 a.m., sound just like type 2
from Virginia.

S/S
7 wild flight (type 2)

S/S
9 - wild birds (type 2 + other)
flight calls

S/S
16 - wild birds (type 2 + others)

S/S
18 - siskin (good) and crossbills (type 2)
lone ♀ (good type 2)

S/S
23 - "male calling and singing
[Huge flock flies over] type 3?

36 | continued good (type 5)

continued type 5 calls, some
song, type 3

S/S 45 good song phrases, buzzy

5/5 137	some calling
5/5 142	"birds include a juvenile"
5/5 144	nothing
5/5 151	young ♀ on decoy cage wild Type 2's fly over
5/5 157	more wild birds
5/5 160	wild bird, (good Type 2 calls) "two wild birds together"
5/5 168	"there they go" ~~id~~
5/5 172	wild type 2 (good)
5/5	soft song of Type 2
5/5 180	"about 5 birds here"; I scare them away to get flight calls (Type 2)
5/5 188	"huge flock" (good calls in flight)
5/5 193	more calling
5/5 200	Creedence Clearwater in back

5/5 206	"testing 1-2" ~~Aug 4~~ on Mt. Tam. Aug 4 have bird 57, 40

Aug 4 54 cont'd
at Mt Tam

222 wild birds (Type 2 good)

228 a Type 3 series

s/s 233 a flock flies over (Type ?)

s/s 239 "a flock of about 50" (

s/s 243 here comes that flock again, maybe 70 birds

s/s 248 another flock [Type 3 ?]

s/s 252 another flock

s/s 258 about 5 or 10 in tree right here, calling (Type 3 ?)

268 good calls (Type 3 ?)

s/s 271 more good wild calling, including Type 2

276 wild bird good

s/s 280 large flock (good)

s/s 290 lone individual (good)

296 Type 5

s/s 300 far-off flock

s/s 307 type 2 flock, calls & song far-off

S/S
316 wild ♂, singing, from top of fir, good song, (responses by 40 on side) one repeated song phrase (trill-like)

S/S
346 wild bird (weak, good Type 2)

360 same ♂, song = Type 2 calls (40, 57 loud in back)

S/S 366 "pair" (indistinguishable)

S/S 374 "flight song by that ♂" in distance

394 good calls by ♂ who was singing before (Type 1?) (40, 57 loud in back)

409

S/S 410 40 & 57 good

S/S 423 "flock of 10" weak

S/S 425 "this is a test" (nothing)

S/S 434 wild bird in distance (Type 5? yes)
40 & 57 respond

S/S 448 "I'm off road pretty far, whole bunch of crossbills all around"

460 lone male

S/S 463 big flock.

S/S 467 big flock (good)

S/S 480 song, with toots

s/s 490 nothing

s/s 500 nothing

s/s 507 Type 3 calls

s/s 525 intermittent calls

s/s 534 wild birds, Type 5?

s/s 545 |

s/s 548 |

s/s 555 wild, one good Type 2 bird

s/s 580 ↓

Type ~~3~~, ~~5~~ 4? (590) Type 4

s/s 597 "song of that same wild ♂

625 good Type 4 song

intermittent calls (Type 4)

s/s 640 same ♂, different perch

(Type 4 song)

long, good, continuous

699 "mate took off to join others"

s/s 700 nothing

s/s 712 underneath tree, foraging

flock of several birds

alarm calls

730 a Type 5 flight call

s/s 737	Type 2 calls, wild, good
750	flock of same call type coming in
760	good flock calls (alarm givers) (Type 2, good)

JGG 39 B

Aug 4 84, Mt. Tam.

0	snow @ trailhead of Cataract Trail, about 10:15 now
4	calls of birds (type 2 etc.)
s/s 9	nothing
s/s 10	good, low, Type 2
s/s 13	good, low Type 2, then "der-yee" in flight
s/s 20	more calls (type?)
s/s 24	flock (type 2?)
s/s 34	
s/s 35	"two birds" (Type 2)
s/s 37	
s/s 43	flock in distance
s/s 51	"good number drinking from creek"
s/s 65	"at Cataract Creek" "this must be when they're drinking from"

s/s 75 alarm calls, weak

79 + weird buzzes

s/s 91 "back @ Rock Springs area, where occasionally big flocks fly by"

s/s 93 flock of 30

s/s 95 flock of 50

s/s 102 lone indiv. (Type 5)

s/s 104 nothing

s/s 117 lone ♂ (Type 5)

s/s 119 "back at Ranger station at 2:15 pm., some ♂'s singing"

s/s 121 song - ok. — type?

s/s 134

s/s 137 intermittent calls

s/s 146

s/s 150

Aug 6 84
6:10 am. Mt. Tam.

39 B
Aug 6

160	two birds
162	flock of about 30 (Type 3?)
165	flock of about 40 (Type 3?)
168	lone bird (Type 2)
s/s 171	flock of 8
s/s 173	flock of about 10
s/s 175	lone bird — noting
s/s 176	
s/s 184	about 20 birds (Type 3?)
s/s 188	far off <u>loons</u>
s/s 191	also Type
199	big flock — about 20–25 (198 mix 3+4)
215	flock of 25 "joined by flock of 10
s/s 219	3 birds, including type 2
s/s 224	lone type 2 calls, good
s/s 230	song, (trills) of 1st type 2 bird
s/s 240	type 3 calls, good (lone bird)

Aug 6 84

s/s 246	
s/s 248	
s/s	about 10 birds
s/s 254	about 20 birds
s/s 256	lone bird (3?)
s/s 260	"big flock around somewhere"
s/s 265	lone type 2 bird, good
s/s 270	siskin vocalizations
s/s 286	a flock
	intermittent ↓
305	
s/s	↓
s/s 314	"7:30 now, gone from ranger station to Catmart Creek"
s/s 320	
s/s 324	"a small flock"
s/s 332	type 4 calls, good, loud
s/s 350	type 2 pair, ♂ calls good
373	intermittent ↓
s/s	

s/s 378 nothing

s/s 382 good far-off toops (type 2?)

s/s 390 same bird, tooping good

s/s 398 flock of about 8 (?)

406 same bird tooping, then its calls, good, loud type 2

417 unusual calls (toops of type ?)

435 tooping

460 tooping, definitely a ♂ and ♀

s/s 465 flock (type 3 or 4)

s/s 475 "here come some more type 2 birds)

s/s 482 tooping (type 2 birds)

s/s flocks of about 25

[intermittent mix ↓]

578 good song (type 3?) - actually type 4

s/s 590 more song, good (type?)

↓

intermittent song

s/s 635 type 4 calls, good

more food type 4 calls, food

S/S 666 food song (type 4)

S/S 680 flock (moo)

END

40 A

Aug 11, 1984

Mt. Tam

SONY COUNTER

0 – "I'm off road to east, foggy here, wet

S/S

16 – tooping (Type 2)

S/S

24 same tooping with louder toops

S/S

30 "some birds flying over" (nothing)

S/S 40 bird flying over

S/S

47 flock one strong bird

S/S

a close bird

S/S

another bird

S/S 91 bird perched nearby

100 screwy tape jump

↓

good calling by
2 call types

S/S

122 trade coming

S/S type 2 bird still here
good calls

S/S

138 two birds calling
from top of fir....
more than 2

40 B

Aug 11, 1984 12:30 pm

Mt. Tamalpais, Marin Co., Cal.

SONY COUNTER

0 .. "must be hundreds of birds around here..."

FLOCK, CALLS

"going to the south"

NOTHING

S/S

10 – move mixed flock calls

S/S

26 – SONG & good calls

S/S

43 –

41 A
Marin Aug 19 84

Note: batteries must have been losing charge -- sounds too fast

0 '

14 – "fresh batteries", "tooping of some birds", "flock flying over"

20 – "here come two birds"

23 – "tooping" – (can barely hear)

s/s
27 – song – good,
(2nd bird comes in, going flight) (66)

75 – "very large flock coming now"

type 4

s/s 80 "this is those songsters again"
"flight call of the songster" → (94)

s/s 100 "flight call of the songster again"
"song of first bird"

120 "flight call of 2nd songster" – (also type 4)
– calls, good series

s/s 134 "another songster"
song – good, then nothing, then o.k.

s/s 146 "the same bird"

... calls, then song of that bird

s/s
166 "that same bird" (song)

↓

152 "another bird flying over" (Type 2)

185 "far-off looping", "flight call of a nearby bird"

s/s 207

216 - rapid looping, good (Type 2 or 4?)

s/s
227 ACORN WOODPECKERS

s/s
233 flight calls

241

251 flight calls

254 song phrases, with bumpers, good

↓

↓ Type 4

some good calls by songster

s/s
303 "birds in trees above me, foraging & often fighting"

s/s 312 "song of another bird" (nothing)

s/s 318 flight calls (Type 4)

s/s 326

s/s 338 Aug 24 1984

359 – calls of bird 57

363 Aug 25, Tilden Park, using "57" and "40" as decoys

S/S 372 testing

S/S 377 "crossbills flying over"

S/S 384 "57" and "40" – good calls

S/S 393 "57" calls (soft)

S/S 400 "about 20 crossbills here, some in the net"

drake while flock gets caught in net

482 some calls of wild birds

S/S "flock has taken off, caught 8 including 2 juveniles"

528 "bird A" good – one note

537 A again

S/S 545 wild birds & 57 call

S/S 572 it's 10:20 now, no sign of any other crossbills

S/S 600 "a lone bird is here"

610 perched in tree giving soft song (nothing)

S/S 630 song of wild bird -- (some buzzes) (short cut)

S/S 640 NOTHING

5 END SIDE A

41 B still at tilden

0

5 - wild bird calls - good

S/S 11 - bird approached but went over the net

20 - wild bird calls - good,

S/S 22 -

S/S 46 - he is caught

47 - a huge flock had come in, and an orange ♂ L was caught

55 at Behavior station, with all the captives

41 B

SONY counter

60 - "218" o.k. "219?" - NO (60)

/ 68 "219" = 220

S/S 74 - explain mixup "last two birds were mixed up"

S/S 79 - 218 o.k. "again"

S/S 88 - 221 good

S/S 96 - 221 good

S/S 102 - 222 good

S/S 105 - 222 good

S/S 110 - 220 good

S/S 115 - 220 good

S/S 124 - 222 o.k.

s/s	143	222	good	(144)
s/s	151	223	good	(150)
s/s	161	220	good	
s/s	170	223	good	
s/s	171	220	good	
s/s	175	225	o.k. / nothing	
s/s	183	225		
s/s	186	224	o.k.	
s/s	193	225	good	(194)
s/s	199	224	good	
s/s	207	225	ok.	
s/s	217	219	ok	
s/s	230	225	- singles. ok	

↓

s/s
271 225 ok

s/s
277 226 nothing

s/s
282 226 nothing

s/s
286 226 single, then more singles

s/s 300 226 good

340 ↓ then intermittent, ok.

s/s 347 226, good

360 "40", "57" give good alarm calls, alternating in series

s/s 385 217, 219 quiet + perched

217 weird chitter, on flight calls

s/s 394 "that was 217, the high-pitched funny sound"

s/s 400 217, a single

410 219, three, ok

422 219, good (5)

s

Aug 26 84
435 Tilden Park

s/s
444 "lone bird I think, flying over, now in eucalyptus behind net"

460 "perched in pine immed. behind net"

s/s 472 "bird went down...."

s/s 477 "... on net wires..."

s/s 493

s/s 500 "... caught it, a lone GL..."

s/s 512 "now 9:36 am, no other crossbills around here..."

#2 A
28 Aug 1984, Tilden
w/ 217 & 227 as decoys

0 "...9:34 a.m, birds did vocalize, but didn't get vocalizations

s/s 4 217 two, good

s/s 9 217 good

12 217 good

S/S 20 217 good

S/S 27 227 singles, ok

S/S 35 227 nothing

S/S 39 227 two, o.k.

S/S 43 227 nothing

S/S 46 227 two, ok.

S/S 50 227 nothing

S/S 56 227 one, good

S/S 60 217 nothing

S/S ———

63 2 Sept 1984
Mendocino Nat'l Forest
with "57" and "40"
sunny day, 8:40 a.m.
one bird heard, "sitkensis type near camp"

S/S
70 "Crossbill here now, I think "sitkensis-type
bird foraging on Douglas Fir above car, not
showing much interest in decoys."

S/S 90 "Sounds like there are two birds"

103 "yes, I see two birds"

S/S 108 "I played back some of tape, birds took off ... didn't come back"

S/S 116 Seaward Taylor Park, Sept 27 1984 clear sunny day, w/ "57" and "40" as decoys"

S/S 126 40 calls, good

S/S 135 "... lot of birds on other side of road"

S/S 138 "7:30 now, lots of birds"

S/S 142 "8:13 now, etc, wild type 2's around ..."

wild bird (type 2)

---

140 Sept 30, 1984, Mt. Tam
nets set up w/ 40 and 57

[Mocking bird cut ↓ to END 42A]

42 13

Oct 13 1984, Sagehen

w/ Danny Glantz, brought "57" and "40"

8:47 am, nets set up around decoys

a few crossbills have been heard including one long type 2 at an unknown flock

0 its 10:10 now, Danny & I went for a drive along Hwy 89 N, no crossbills sighted, 4 birds in net & wild birds in trees

S/S 10 ... birds now out of net & in cage, 3 ♀ & 1 ♂

S/S 20 ... birds in tree look like ♂/♀ pair ...

S/S 28 ... wild bird, good ..., then it's caught

S/S 32 ♂ right here now...

33 34

36 wild ♂, good

S/S 37 last ♀ still around here calling from treetops

CK 44 ♀ calls, o.k. - good

S/S 47 ... find at least ♀, but missed"

52 bird of crossbills in net

S/S 62 wild flock calls (Type 2)

S/S 64 Danny rushed bird

S/S 75 "flock of 12-15 here..."

S/S 87 ~~[dialing~~ long about birds]

↓

136 much calling by flock of wild birds (Type 2)

144 - total of 11, 6 ♂, 5 ♀

---

185 Oct 14 84, Sugeham
cold, frosty morning

S/S 157 testing now
230, 231, 232, 233, 234

167 233 good

S/S 175 233 good

(182) (183) (185)

S/S 192 233 again, good (190)

S/S

S/S 198 wild birds coming from NW, W

202 232 good, (2), then dying down
alarm (204) (203)

S/S 214 232 again, o.k. more

222 232, o.k singles (220) (221)

S/S 232 232 ok (227)

S/S 240 (234)

S/S 247 [talk about a wild ♂]

S/S 253 wild bird (258)

S/S 260 make who was calling (260) was shot,
called 253 in

S/S 267 230 ok/nothing.

S/S 271 231 poor

278 231 o.k.

S/S 285 231 o.k.

S/S 292 230 nothing

248 231 [illegible]

S/S 300 230 o.k.

S/S 337 230 o.k. 317 335

S/S 350 231 345.5 346

S/S 357 231 358 360 361

S/S 362 230 o.k. poor

S/S 374 230 alarm notes 373 → 376

S/S 382 237 two, then good, singles

S/S 391 237 good, then weak 389 398 401
(wild birds here)

S/S 405 "...here comes a wild ♂..."
↓ more talk

S/S 42 "...two pairs here"

S/S 422 237 - singles
↓
[more talk about wild birds coming down to net]

↓ TO END

43A Sagehen 14 Oct 1984

0	237	o.k., good	
S/S 5	237	o.k.	
S/S 7	237	poor	
S/S 21	237	good	
S/S 25	234	nothing	(24) (26)
S/S 31	234	one	
S/S 38	234	nothing	
S/S 43	234	single	
S/S 50	238	good	(52)
S/S 55	238	good	(56)
S/S 58	234	nothing	
60	238	good	~~(65)~~ (62)
S/S 64	234	nothing	
67	234	singles	(74)
77	234	good, rapid	(79)
S/S 85	238	nothing	
S/S 90	238	poor/nothing	
S/S 92	"I think wild birds are coming"		

94

s/s 96 239 watching

s/s 99 239 watching

s/s 101 "there might be 3 birds in that treetop"

s/s 105 239 good singles (107) (110)

s/s 110 239 good singles, doubles

s/s 116 other birds approaching,
239 single calls, o.k. (116).

s/s 123 "male has been captured"

s/s 127 wild calls, o.k.

143 "both birds, red males, captured"

s/s 146 239 good singles (152) (153.5)

s/s 160 11:00 a.m., Danny & I just got back from station, lunch, coffee break, lots of birds in net ..."

s/s 179 (151) <u>loops</u> of wild bird - o.k., then calls (185) → (266 =)
"last wild bird was shot = ♀"

s/s 190 long series of calls, rapid

s/s 201 "that bird again" calls, good

s/s 210 weak <u>song</u> by wild ♂ ("one" phrases)

220 calls of that wild ♂

229
S/S

240 calls of wild birds

S/S 247 "male right here now in top of tall tree"; "♀ here, she's going down..."

S/S 267 "♀'s going down..."

S/S 272 "♀ did go down for grit & water"

S/S 293 238 o.k. (298)

S/S 309 "wild ♀ now in good song"
song — good

S/S 327

S/S 330 239 — o.k./poor

S/S 339 "wild ♀ now giving flight calls"
calls & song, good

360 "she just took off"

S/S 361 239 — nothing
239 — o.k.

S/S 378 testing

379 248 singles

S/S 390 248 o.k. singles

airplane in back

406 248 good - o.k. (406)

S/S 432 248 good (441) (445)

S/S 444 [249, 236, 252

S/S 448 252 nothing

S/S 453 252 weak

S/S 461 252 weak

S/S 472 252 o.k./good singles

476 [236 nothing

SK 485 236 nothing

S/S 500 236 singles (500) (505) (527)

520 236

S/S

END SAGITTEN

ABS
14 OCT 1984

535 260 nothing

S/S 540 260 nothing

545 * 260 good (546)

S/S 570 260 good

S/S 577 245 good (585) (580) (590) (594) (603) (597)

S/S 556 263 good

605

606 265 o.k

S/S 615 265

S/S 619 252 good (627)

625 265

S/S 630 252 (638)

---

43 B

ABS Oct 14 1984

0 -

3 - "trying to test 210, 250"

S/S 6 - 247 (one)

S/S 10 247 one

17 247 singles, doubles

20 247 good (19.5) (21) (21.5) (25)

S/S 30 241 one good

32 241 good (33) (35)

S/S 38 240 rapid/o.k.

S/S 42 240 good

47 240 good (47) (48)

S/S 52 * 249 weak (52) (55) (58.5) (61) (65)

67 — Oct 19 1984, ABS

70 t. bands "85", "8", and "88"

92 ↓ prior recordings of these

s/s 93 pointed @ "8" = 246 giving soft toops, buzzy sounds, blesyee calls, soft flight calls (109) song phrase

[note: "8" = 246 "88" = 264 (108) "94" = 261
"85" = 257 "90" = 251 "26" = 243]

115 "85" 257 good

(119) = 246

s/s 122 "I hear wild crossbills here, sounds like sitkensis type"

(123) - 257

124 "85" 257 good

(127) = 264

s/s 126 "88" 264 good

(130) = 264

142 wild bird - sounds like the V-shape flight call note (cant hear this)

"wild bird toops"

s/s 156 X Y

169 "85" 257 there good

173 "85" 257 good

(180) - 257

s/s 179 "its about an hour later now..."

18c - "8" - ok (188) (188) (192) 246 ↕ airplane to back

195 - alarm/toop series by "90" = 251 → (213) → (216) (205)

213 - "90" 251 good, - (227) (228) (215) (213)

220 - "~~74~~" intermittent 261

S/S 227 "it sounds like there's a whole flock of crossbills here..." "about 10 birds"

S/S 233 "recording wild birds" (poor recording)

S/S 240 "bird ~~74~~" 261

S/S 245 * "~~74~~" - o.k. 261

S/S ↓ intermittent calls of wild birds (Type 2) (260.5) (263)

283 wild flock calls - o.k. (Type 2)

S/S 292 251 nothing

305 258 - some good (312) (304) (325) (330) (328) ↕ airplane

329 258 toops → (354) wild birds to back (Type 2)

338 258 into song phrases → (344) - @ 80-80000

360 wild bird toops

386 "wild ♂ here, in treetops, doesn't want to come down..."

430 "two red ♂'s here perched [illegible]

447 calls of those males - good

496 258 calls good, into song phrases (496)

500

511 wild ♂ calls - good,

↓ TO END

---

44 A Oct 19 1984 A.B.S.

w/ 243, 262, 258

7 - 258 weak

S/S 9 - 258 weak, in back

S/S 12 - 262 nothing

S/S "now trying 250 and 262"

S/S 16 - 250 o.k.

S/S 20 - 262 - o.k.

S/S 25 - 250 o.k. (?)

S/S 29 - 250 single

S/S 35 - 250 weird, song chops,
250 good (38)

S/S 46 250 good

s/s 49	254	good then intermittent (53)
s/s 62	254	single
s/s 66	262	nothing
69	254	good
s/s 73	262	o.k. / weak
86	262	good, (2 or 3)
s/s 90	254	o.k.
s/s 94	262	nothing
s/s 101	262	weak
s/s 105	254	good (105) (106)
s/s 110	262	nothing
s/s 114	262	one weak
s/s 116	262	good, intermittent (118) (121)
123	262	
s/s		

—— Oct 21 1984 ABS ——

clear, sunny, 8:30 am, ~ 243, 256, 259
all males, one type 2 crossbill flew over 10 min
ago

wild birds around

143 243 o.k.

(144) (145)

	[illegible]	"think there is a V-shaped bird here"
5/5	162	"coming down..."
5/5	173	wild bird (Type 4) weak / OK
	198	"wild bird is calling loud now..." - (OK)
5/5	206	wild bird (good)
	210	it took off...
5/5	217	"that bird took off..."
5/5	221	"a lone type 2 bird nearby..."
5/5	228	"two type 2 birds here..."
5/5	236	wild bird (good), including alternate high pitched call
5/5	258	wild bird (good) - then 5-6 type 2 birds take off
	273	"flock takes off..."
	276	circling - good calls "about 14 birds..."
5/5	297	"that big flock took off to the S"

* 300 259 (3 good) 302 308

S/S 306 259 single

S/S 311 "...it's 10:30 now..." (wild type 3 of around)

S/S 319 "that lone ♀ has been captured, R-cross, yellow green..."

S/S 325 "I think more sitkensis are here..."

S/S 331 wild birds are tooping

335 242 good 335 336

"...huge flocks here, about 14-16 birds..."

S/S 347 wild bird now perched on the net

351 bird is captured

343 more birds coming down

368 I just captured a red ♂

372 wild flock calls good.

S/S 378 more flock calls

S/S 382 "still some sitkensis in the trees, too..." (more flock calls)

S/S 392 242 (poor).

S/S 424 "I got good numbers in the net now"

... [illegible] of 7 birds were captured ...,

s/s 444	242 (ok?)	
s/s 452	242 good (3)	
s/s 459	242 (1)	
	242 good	
s/s 467	256 nothing	
s/s 480	256 o.k. (badback [illegible])	
s/s 485	256 nothing	
s/s 492	"245, 255, 256 for test..."	
501	245 ok	
s/s 507	245 some good	507 510
	"sounds like wild birds are coming..."	
	"pointed now at 256" (nothing)	
525	245 some good	
540	245 singles	
s/s 545	256 singles (2)	545
s/s 556	"wild birds still here"	
s/s 567	256 good (2 singles)	
573	256 good	574
s/s 550	"wild birds go toward Tilden"	

594 267 nothing

s/s 600 "wild birds here"

s/s 607 "4 crossbills here, going down, red or hit net.

s/s 620 "just captured 2 birds"

s/s 626 267 nothing

s/s 633 "other wild birds may have taken off"

s/s 642 269 nothing
267 very weak

667 269 nothing
267 very weak

s/s 690 267 nothing

END

44B Oct 21 1984 ABS

0 -
1 - "267, 269 ..."
s/s 5 - 267 weak
s/s 11 - "a wild bird just arrived..."
s/s 14 - 267 very weak
17 * 267 ok
s/s 21 - "... that bird has been captured..."

	269	30k
s/s 30	269	good (2)
34	269	good (3)
s/s 38	269	good singles
s/s 45	269	intermittent, o.k.
s/s 49	269	some good
s/s 54	269	some good
s/s 60	" more testing ... "	
s/s 64	271	nothing
s/s 68	271	one weak
	271	singles
77	271	
82	271	o.k. singles
s/s	255, 270, 272, 273	testing
s/s 99	255	ok
	255	ok / good
110	255	good
s/s 122	272	good
130	272	good
s/s 144	↕	leak tap
s/s 157	276	nothing

	165	276	single
	172	276	2 okay
	176	275	OK (alternate type ?)
S/S	188	275	(one)
	191	275	some good
S/S	204	276	good
S/S	211	276	good/OK
S/S	218	275	nothing
	222	275	OK singles
S/S	232	276	nothing
S/S	240	276	singles
S/S	246	276	singles
S/S	251	276	good
S/S	257	275	nothing
S/S	259	275	OK
S/S	270	273	good ↕ singles in back
		268	singles
		273	good
	280	268 & 273,	good
S/S	295 *	270	poor

5/5	270	ok /
318	270	ok → 324
5/5 323	276	single
5/5 328	276	good
5/5 333	276	good
5/5 337	268	nothing
5/5 341	268 (2), then 268	poor ↓
5/5 350	275	ok singles
356	275	good
320	268	ok / poor
5/5 380	277	ok / good

Oct 28 at LSB
trying to get 228, 229

Nov 1 1984 ABS
8:24 a.m. w/ 228, 229

424	229	o.k.
429	228	good

445 228, 229 both good
"wild sitkensis here"

S/S 470 "5 crossbills here ..."

S/S 480 "one coming closer..."

S/S 490 "looks like a pair..."

S/S 498 "don't want to come down..."

S/S 505 229 o.k. (1)

S/S 510 "9:20 now, occasional wild birds..."

S/S 526 "flock of Type 2 birds here..."

S/S 539 calls of wild birds (Type 2)

S/S 556 229 good/ok
228 on side, good
229 ok

S/S 581 wild calls

S/S 586 "flock is taking off ..." (calls)

S/S 605 "birds are approaching..."

45A Nov 1 1984 → [illegible] Nov 1 [illegible]
(from field notes)

ABS 10:00 am

0 - "were some eussbills here, 10 type 2 birds, 2 of which were captured"

s/s 8 "... two new type 2 birds will be called 278 at 279..."

s/s 14 279 - ok

s/s 20 "trying to test 278 ♂ at 279 ♀.."

s/s 25 Nov 4, 1984, ABS, 8:30 am w/ 278, 279...

31	278	nothing
s/s 33	278	nothing
s/s 40	279	very weak
s/s 44	278	nothing
s/s 47	278	ON weak
s/s 52	279	o.k.
s/s 56	278	
s/s 60	279	ok/
s/s 80	278	nothing

s/s 83 278 good

s/s 88 279 good, then intermittent

s/s 95 279, ok

s/s 99 279 good (wild birds coming in...)

s/s 103 "...flock of about 20 type 2 birds here..."

s/s 109 "flock is calling..." (soft calls [type 2]

s/s 117 "circling..."

s/s 120 279 ok, then nothing

s/s 126 279 nothing

s/s 124 "...played "13's" loops, they're long gone..."

s/s 131

Nov 17 1984 ~ 9:20 am at ABS (see field notes)
w/ 273 and 274

142 "it's 10:16, there's a wild crossbill here..."

s/s 149 "

s/s 151 chiffer of wild bird (?)

s/s 156 " (think there might be 2 birds..."

s/s "its 10:40 now -- the ♀ has been captured... called 280.. no others with"

173 280 good (?)

s/s 176 280 good (wild bird comes in)

s/s 185 BLANK TAPE

192 ↓

s/s wild birds here...
4 are in net
one more still wild

s/s 200 "That last bird still here, a ♂"

s/s 207 calls of wild bird (OK)

↓

s/s 231 more calls of same bird

s/s 237 "that entire flock has been captured..." , he'll be called 285..."

s/s 246 "more sitkensis type here"
all right ned

260 273 good

266

s/s 267 274 (?) (269) (272)

s/s 274 trying to record 281, 284

s/s 285 284 good (287) (291)

s/s 310 wild birds coming,

313 "three V-shaped call type birds here now..."

s/s 320

s/s 322 wild birds calls (Type 4)

330 wild bird (calls, good)

s/s 350 "they're circling..." they take off

s/s 353 287 good

s/s 385 281 intermittent

s/s 396 281 - 3

281 intermittent

420 "skump-shinned hawk here"

s/s 430

Nov 18, 1984 ADS

10:10 am w/ "57", 282, 285

443 "57" good (upward call only)

s/s 456 more "57" good calls

s/s 467 282 nothing

s/s 471 282 nothing

s/s 474 282 (2 good sightings)

s/s 480 282 (1)

s/s 488

505 282 more intermittent good

S/S 540 285 ok

S/S 573 282 Intermittent

S/S 580 282 good (in resp. to goldfinch)

555

600 282 good

635 285 good

285 intermittent

S/S 698 285 intermittent

S/S 721 282 ~~toops~~ or alarm? - good

S/S 732 282 ~~toops~~/alarm - good
in the hand

S/S 747 282 alarm

S/S

END

45 B 25 Nov 1984

9:45 am ABS w/ 57 ad 273 in cage together

0 16:09 now, no sign of any crossbills

s/s 2 "some type 4 crossbills here now..."

s/s 3 "may be in dead tree..."

11 "coming down..."

16 "siskins here, too..."

18 one of the siskins

21 "I've caught a crossbill -- red ♂... L

s/s 26 "another red ♂ now captured, (R)
both caught at 10:15..."

s/s 34 "kept one siskin..., no other xbills in flock..."

s/s 37 "just heard a type 2 crossbill..."

s/s 40 "caught that bird, red ♂, killed right
away to see what it's eating..."
got purple on bill.

s/s 46 that type 3 bird was a loner ♀, captured
and killed immedi."
also had purple on bill

s/s 54 286 nothing

s/s 63 287 good

67 286 good

76 287 ok

79 287 good

90 286 Nothing

s/s 94 286 ok singles

286 intermittent

100 286 ok/good

110 286 good

121

s/s 122 Dec 8 1984 ABS
11:20 am in 43 and 33's cell
they had a nest, but it
fell apart

129 43 calls - ok

132 courtship feeding

158 43 alarm series

161 33 pshcp

171 43 into song

187 more 43 song

212

s/s 213 pointed at 33, she's gathering
some material in her bill..."

248 calling

250 courtship feeding

s/s

Dec 18 ADS
11:15 am w/ 273/274 as decoys

Dec 27 1984 in SP Taylor Park
at Madrone Group Campground w/ Benkman
found 8 crossbills foraging in fir...

278 about 20 birds (batteries get bad)

S/S

293 Now at Pt Reyes Nat'l seashore
area... pair of type 2 birds, 9
coming down

299 total of 4 here, 3 coming down

S/S

312 "rushed birds... did not get anything...

328 "2 males now have been captured,
both big..."

S/1

340 wild & calls, good, alternating
between regular and long Type 2 calls..."

S/S

345 2 more ♂'s caught, one orange
and one red...

385 "sitkensis" and "10" in back - calls
sitkensis ♂ calls, some loops

396 captive of sitkensis, calls, then toops

421 425 428

407

437

s/s 417 "there's a ♀ in the net", Craig will rush

421 "about 4 birds of the small race have been captured..."

s/s 427 "testing now birds 288, 289

s/s 429 288 nothing

435 big flock of sitkensis here in the trees

s/s 452 calls of flock...

456 about 14 birds in this flock

467 calls of flock, buzzy song phrases and toops of sitkensis flock

s/s 487 288 = 290 good

288 ok

s/s 510 288 one

s/s 514 "lone ♀ sitkensis" (nothing)

s/s 522 288 (one)

s/s 526 288 singles

532 288 good

537 289 good

S/S 551 289 ok poor

289 ok

S/S 570 288 good

S/S 577 289 good

S/S 587 "trying to record 290, 291, flock of silkeasis here..."

S/S 595 Dec 28 1984 trespassing on Alan Hosking Ranch, San Mateo Co., w/ 295, 296, 297 as decoys

611 "flocks of crossbills all over, types 2, 3, 4)

S/S 618 At ABS, 3:14 pm Dec 28 captured at kept 2 birds at S.M. Cont, testing birds...."

S/S 631 295 ok first 2 - 687 695 696 696.5

\+ 640 295

S/S 647 296 good → 709 729 744

\+ S/S 663 296 good

S/S	655	292	OK / good
	704	292	louder
S/S	710	END	

---

46 A Dec 28 1984

ABS 3:15 pm 292✓ 293✓ 295✓ 291✓

297✓ 298 299

	1 –	295	good singles
	6	295	good
S/S	9	292	weak
	13	292	OK
S/S	19	292	OK /
S/S	23	292	nothing
	26	292	OK singles
	31	292	3 good
		292	intermittent
S/S	36	292	good
S/S	43	297	good
	55	297	good
S/S	61	295	good
S/S	73	293	good
		293	singles
	97	293	good

100	293	good
s/s 108	297	good
	297	singles
116	297	good
s/s 119	299	ok
	299	good
143	299	good
s/s 154	———	
155	Jan 11, 1985	in San Mateo Co.,
	57 as decoy,	100 ft. off road,
	crossbills here"	
164	"crossbills here"	
s/s 167		
s/s 170	crossbills coming close	
s/c 175	large flock	
178	"kestrel here"	
194	<u>calls</u> of flock (about 12 birds -- type 3)	
202	calls of wild bird	
205	it's 10:36	
207	its 10'55, I think I hear a big flock..	
210	I hear <u>troops</u> somewhere near here	

S/S 223 Jan 13 1985 ABS
1:10 pm with 40 in cage by
himself ... will put in call
with 59 at 06

S/S
233

232 soft calls, song of 59
hiccup notes - good - by 40

S/S
258 40 at 06 are tooling in response
to 13 in next cage (loud tooling)
nothing from 59

272 59 joins with toops (Type 1)

300 toops continue - good (loud)

S/S
311 "released 40 in cage..."

316

S/S 317 was in fight, 40 started to savage
324 fight, 59 defeated

335 40 has dominated both birds in cell

S/S 346 Feb 3 1984 9:20 San
Mateo Co, w/ Deb,
w/ 57 at 298 as decoys
no crossbills heard

10:18 now, birds calling loud

366 11:58, 3 birds just flew in, pon toops of 298 in back

386 wild bird calls (Type 4) - weak

399 more soft calls of wild bird...

421
429 "there go the wild birds..." "they're gone"

S/S 442 "it's 12:29 now, no sign of any other crossbills..."

FEB 3 1985

452 ABS 2:00 pm, gone into 43 and 33's cage

toops of 33 - good

499 43 pokep notes

S/S 525 43 flight calls

Feb 16 1985, ABS, in 43 and 33's cell, they've fledged 2 baby crossbills, one gave an alarm call, toops of 33 and 43

574 43 flight calls good
33 toops
one juvenile begging (weak)

604 43 flight calls

614 bglng, good

END

46 B Feb 18 1985
Sierra Co, near Bass Lake

0 – crossbills here, wild bird calls
regular + alternate types

9 loops of flock

5/5 12 back at trap site, birds

5/5 19 "bird here in trees"

5/5 34 crossbills just arrived on scene
calls of decoys @ 80-4

46 298 calling - good (51) (53) (54)

50 57 calls

51 298 sing phrases

"birds sing like type 3..."

5/6

80

90

92 "there was a guy on a motorcycle"

98 wild bird calls, in tree, Type 2

5/5 109 same bird, different perch
decoys chittering a little bit...

117 measuring bird (300) just caught

5/5 120 wild bird calls (good)

5/5 130 "Type 2 birds heard to south..."

139 bird swooped

---

140 Mt. Tam.

142 wild birds, type 2 (good)

178 good Type 2 calls (wild bird)

183 type 4 bird calls

5/5 215 "two crossbills in net"

220 "huge flock here"

226 "Captured 3 birds out of that flock..."

257 "Iscared flock away..."

357 done 9 on road to Stinson Beach
calls, good

---

391 March 16 1420 pm ADS
got 11 bird captured today for test

345 313 (2)
401 313 good
420 313 good
S/S 430 308 good
S/S 459 308 OK
308 good singles
S/S 469 313 OK, good
S/S 483 303 singles
S/S 490 303 nothing
S/S 495 303 (1)
S/S 500 303 nothing
S/S 503 303 singles
S/S 507 303 OK
S/S 516 303

	530	303	good
S/S	513	303	nothing

561 591

---

47 A

	3-	303	good
S/S	12	310	nothing
S/S	15	303	nothing
	17	303	(2)
S/S	20	303	(1), then more singles
S/S	26	310	nothing
S/S	28	305	nothing
	31	305	good
S/S	40	307	nothing
S/S	43	307	ok (3)
S/S	46	307	nothing
	48	307	(2 ok)
	54	307	ok
	60		
S/S	63	BLANK	
S/S	67	307	nothing

10 = 303

	11	307	good	
S/S	13	307	good	
	50			(85)
S/S	87	307	ok	
	90	307	ok	(91)
	97	307	good	(96)
S/S	103	304	alarm, good	(105)
S/S	108	304	ok/good	(114)
	128	304	good	(118)
	139	304	good	
S/S	142	304	alarm, good	
S/S	145	309	nothing	
*	148	309	good	
	180	309	intermittent	
S/S	204	307	alarm good	
S/S	219	304	alarm, good	
S/S	230	310	alarm - ok	

March 17 1985
10:17 am ABS

239	311	nothing
s/s 242	"306, 311, 312 for test"	
s/s 251	& flicker	good series of calls
274		
s/s 275	305	alarm, good, long duration into distress calls
s/s 289	310	alarm, good, into distress
s/s 309	311	poor
s/s 317	305	ok/good
345	311	ok/good
s/s 360	301	ok
370		
s/s 371	305	good
s/s 380	305	good
s/s 387	312	nothing
s/s 389	311	good
s/s 394	306	nothing
s/s 396	305	weak
s/s 404	305	good

411 305 good

s/s 430 311 good

440

s/s450 305 weak

463 312 with?

s/s 465

s/s 469 310 with?

s/s 493 306 ok

593 308 good

635 312 ok

645 306 good

664

s/s 647 312 ok

s/s 670 312 good si-glos

672 312 ok

690 312 good

675 306 good

664

47 B March 17 1985 ABS

1252 pm -/ 312, 306, 310

0 312 nothing
2 312 (1) good
5 312 singles, good
s/s 10 306 good
s/s 20 311, 312 together
s/s 28 310 nothing
s/s 30 310 nothing
31 310 (1) good
32 310 nothing
↓
41
s/s 41 310 (1)
s/s 44 310 nothing
s/s 51 305, 306 together, good
(306 loud)
s/s 58 306 single, good
64 306 good, rapid (67)
s/s 71 306 ok, weak
s/s 75 310 alarm, distress, being hailed
s/s 80↓ 311 alarm, good
92
s/s 93 312, hailed, nothing
s/s 104 305 alarm series, good

111 306 distress handled

s/s 117 still at ABS in 273 and 274's cell
will release 305, 306 into cell

134 <u>fight</u> calls of 274

s/s 141 "40" or "06" is tooping

s/s 147 "43" toops

s/s 151 "43" toops

158 "43" flight calls, good
water pouring into pan

s/s 170 bird "59", good

s/s 195 bird "59" good

229

s/s "with 301, 302 ..."

234

237 "there goes 301 ..."

s/s 239 "there goes 302 ..."

trying to ~~at~~ and 301/312

267 59 one chitter note

283 begging calls

286 bird 302 begging (ok)
"displacing 301 [illegible]"

S/S April 19, 1985 at Sagehen Creek
300 Field Station w/ 57 at 298 as decoys

310 next to road, some kind of cadueline finch (good song...)

TE 57 S 320 - 369

May 4 1985 at ABS 12:23pm
w/ 301, 302, 57, 59 for testing
w/ Sennheiser spotheat mic

378 57 good, [both calls]

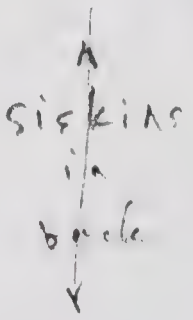
S/S 392 57 good (both calls)

S/S 401 57 good ("I hear type 3 crossbills, wild")

412 57 one toop

S/S 425 57 good, both calls

siskins in back



438 57 alarm series, good
455 into toops
485

440 [illegible]
"wild [illegible] [illegible], ♂"

S/S 505 301 ok / good Type 1 !

S/S 530 301 ok singles
↓ then nothing

550 301 ok / good
weird, non-type

S/S 570 wild bird calls

584 301 good
(type 1)

S/S 595

S/S 600 wild bird calls

---

49 A
4 May 1985

1 - wild orange male, good calls

S/S 7 - more wild ♂ calls

S/S 10 - more calls as it flies off

S/S 13 - 301 (one good)

15 - 301 weak singles, then nothing

20 – nothing

s/s 23 – wild ♂ calls – OK

s/s 28 – wild ♂ calls – (1:09 pm.) – OK

s/s
39
40 > short series of "57" alternate call

s/s
45 – 59 good (2)
59 singles

s/s 52 – wild ♂ – good
↓
[57 in back]

68 301 good
78 301 doubles

s/s 95 301 good
302 calls – OK

100 302 good (also 301 good)

105 301 good

s/s 112 301 good (doubles)

122 302 nothing

s/s 125 wild ♂ (distant calling)

s/s 129 "wild ♂ joined a pine siskin & flew away!!"

130 301 doubles, good

138 302 good, rapid

145 to nothing

s/s

S/S 155 302 good

169 301 good doubles

171 302 good

S/S 174 Lazuli Bunting @ 40m
(weak recordings)

S/S 184 ["Testing tone level..."]

S/S 188 57 weak

S/S [testing microphone (190-209)]

209 302 good

S/S 215 302 good

223 301 good

S/S 228 301 good

239 301 very loud, good

259 302 good/ok

S/S 265 302 ok., soft

295 301 (one ball)

277 57 handled (nothing)

s/s 282

286 301 alarms, good (Type I sound)

s/s 293 301 alarms, good (Type I sound)

s/s 298 302 alarms, good (long-duration type I sound)
into distress

---

310 In 60 - weak recordings

318 fight calls into toops
273 ; 59 toops - good

329 threat calls

(333 more tooping (59 very loud)
356 very long series
370

s/s 373 fight calls (?)
more loud 59 toops

381 fighting calls (274?)

s/s 397 more 59 toops

400 305 fight calls w/ gaping

405 more 59 toops

414 273 (and 59) toops

420 more fights, 59 fight calls

more fighting / tooping

446 tooping by 305 and 59

465 fighting calls (305 ?)
59 toops, loud

s/s 452 59 toops
some fight calls

528 all is quiet...

s/s 537

539 Mt. Tam. May 11 1985 9:11 am.
at state Park
Type 4 crossbills in tree
poor recordings of bird
blank tape...

573 "type 3 crossbills here."

s/s 584 chickadee calls/song (ok)

NOTHING TO END

49 B Nothing on tape

50 A Chiricahuas, Ariz

May 21 1985

0 – nothing

5 – flycatcher songs

s/s 14 – 317 toots - singles, good – (3)

s/s May 22 1985 2:17 pm, recording 316, 317

23 317 good (2), then weak (Type 4)

s/s 36 317 ok, good

s/s 43 317 nothing

s/s 45 317 nothing

s/s 48 317 nothing

s/s 52 317 ok, poor

56 317 ok

63 317 good (65)
to 317 poor

s/s 78 317 ok (mic. noise)

84 317 good

s/s 89 May 23 1985 Chiricahuas
at Salsbury Creek, near Turkey Creek

95-101 nothing

105 316 - one (Type 2) (106)

108 316 (2) [Neg + alt Type 2] (108)

s/s 120 316 nothing

s/s 125 316 poor - nothing

s/s 129 316 nothing

316 poor

140 316 ok (305 in back) (143)

316 poor

163

s/s 174 316 poor 305 some ok

s/s 193 316 (hardled) nothing

s/s 198 bird 298 song phrases (ok)

209 298 "do-wee, do-wee"

---

s/s 220 May 26, 1985, Grand Canyon North Rim, Ariz.

"wild crossbill here..." (Type 2)

pair of wild birds here...

s/s 231 calls of wild ♀ - ok (Type 2)

more calls good

243 they're long gone.

May 29 1985 at ABS, 4:58 pm
w/ 305, 306, 315 for test...,

5/5
251 – nothing

5/5 254 – "new baby has n't vocalized, but baby is in 'fear posture"

5/5 261 – 306 good

5/5 267 306 good singles (2)

5/5 271 306 good (2)

272 306 toops – good

5/5 284 306 good

5/5 290 [faster tape speed] bird 306 good

5/5 300 [TESTING]

317 306 some good

5/5 313 [TESTING]

5/5 324 song of 305 – [far off, poor] nothing

5/5 333 305 @ 25 m. calls, poor

5/5 340 "I've moved the baby's cage, but he's still quiet..."

5/5 350 nothing

[illegible]

S/S 358 305 o.k. (poor)

S/S 367 pine siskin vocalizations, song, (poor...)

S/S 380 pine siskin song (ok/weak/poor)

S/S 396 " it's 6:16 now, the baby has not vocalized..."

400 315 handled, nothing

S/S

May 31 1985 Trinity Shasta Nat'l Forest W of Hyampom Calif... just captured 319, red type 3 male

426 " it's 6:12 now, sounds like another wild bird here..."
calls of decoys

436 305 toops

wild bird sitting in tree fluffing

S/S
463 it's 6:14 now,

S/S
469 song of wild bird (poor)

476 calls, good (Type #) of wild bird
back to weak sing

5/5 499 "wld bird is caught, it's another one"

5/5 501 its 6:40 now

505 319 good (Type #)

319 intermittent singles, doubles

5/5 537 319 some singles

5/5 545 319 singles

563 319 some doubles

5/5 573 319 some singles

5/5 587 320 one good

5/5 596 319 singles

610 319 doubles, then singles

617 319 good

5/5 622 320 nothing

5/5 627 320 doubles (2 sets)

5/5 635 320 nothing

640 320 (1)

645 320 nothing

5/6 663 320 good

5/5 690 319 handled (good alarms)

END 50 A

50 B

1- "whole bunch of ♀ crossbills here, just caught 3 crossbills... another one here...

9 - 6 crossbills here in flock

s/s
11 - entire flock captured, 3♂ and
14 3♀ at 10:30 am..."

s/s
16] BLANK TAPE
29

s/s 30 "whole flock of about 20 crossbills here, some getting caught it's about 11:52 am

36 song in background

"starting to weight-down the net..."

38

s/s 49 "... it's a little later, 6 birds in the net..."

s/s 54 "I will tape record some captives"

57 322 ok

59 322 nothing

64 "about half of flock is in net"

s/s 67 322 good (Type 4)

s/s 75 "there are 15 birds in the net..."

80 (calls of wild birds in trees)

s/s

89 322 good

91 calls of wild bird (Type 3 (noted mistakenly as "327" on tape))

112 more wild bird calls

116 I shoot and miss...

s/s 121 "still a few wild birds in trees"

123

s/s 127 322 good (134) (135) (139)

s/s 133 321 nothing

s/s 135 326 nothing

s/s 138 releasing a bird (Type 4) orange ♂

releasing more birds ~ Type 3 and 4

s/s

160

s/s 162 322 tumbled (nothing)

s/s 167 321 nothing

s/s 170

173 321 weak / OK (Type 4)

185 326 OK (Type 4)

	191	326	singles (ok)
s/s	195	326	nothing
s/s	197	326	good ✓ (long series)
	210	↓	
s/s	211	321 ✓	good
	229	↓	
s/s	230	321	ok - rapid
s/s	254	324	nothing
s/s	257	324	ok (Type 3)
	276	324	good ✓
	285	324	good
s/s	288	323	nothing
s/s	295 - 314		BLANK TAPE
	315 - 323		weird noise
s/s	325	325	nothing
s/s	327	325	nothing
s/s	330	325	nothing
s/s	334	325	one (Type 4)
	337	325	good ✓
	350	323	nothing
	360		
	360	323	(one) Type 3
	364	323	(one)
	370	325	good
	372	323	nothing

(210)

376 323 (one, ok)

382 323 singles

384 323 a triple

385 323 singles - good

390 323 nothing

s/s 397 325 good

s/s 406 323 singles (2)

411 323 (one) (413)

415 323 some good

s/s 421 325 hailed, nothing.

June 1 1985 Trinity - Shasta
w/ 273, 298, 305, drizzly morning

June 2 1985 somewhere in S.E. Oregon
in lodgepole pine area, cold, frost.

443 298 toops / into calls
and some song phrases

469 298 o.k.

s/s 479 "a good flock of about 10 birds"
"sound like Type 2's"

s/s 498 calls of wild flock - ok (Type 2)

509 alternate type 2 series by wild
birds...

529 "there's a 9 going down"

534 (more calls of flocke - good)
typical type 2]

545 "long gone"

s/s
549 testing 1- 2

s/s 553 298 good

s/s 559 298 good

recorder troubles

560
testing recorder

555 calls of distant 273

more testing...

s/s
616 =>

s/s
630

51 A 6 June 1985
near Chiloquin, in S. Oregon

0- 7:53 am, 3 cussbills were just at scene, & was tape recorded on the last part of 49 B (?)

S/S 9- it's 9:37 now, captives haven't called, decoys are now calling ... 298 in song, 305 giving loud calls

S/S 20 328 O.K., (21) (22)
25 328 OK

S/S 33 328 (one ok)
328 OK (wind noise on tape)

S/S 40 it's about 2:00 now, I just heard a wild Tape-x cussbill in the distance
... pointed at the wild bird in flight
... two birds at least

S/S 54 ... definitely saw at least one bird

S/S 60 ... its a lone bird circling around the clearing

S/S 65 "... I think there are 2 ..."

S/S 69 "recording now 327 of 328..."

71 wild bi... (ok)

76 328 <u>alternate type 2</u> - good

81 "a pair of wild birds have ... perched next to one another ..."

S/S 90 wild bird calls - ok (wind noise)

100 328 calls - ok

S/S 103 328 alt. type 2, or song-like weird calls? - poor

112 328 song - ok/poor -- bumpy phases only...

S/S 131 wild ♂ - ok/good (Type 2 vs)

S/S 140 "one of the birds is going down to other decoys..

S/S 146 "... it's about 10 min later," neither are in position to be captured

S/S 152 "... here is <u>song</u> of wild bird" <u>song</u> - <u>extremely weak</u>

171 "... here's song of that bird again <u>extremely weak</u>

172 - the male has been captured

S/S 183 the wild ♀/jur. just took off,

S/S 188 alarm - OK of other wild bird, then song (weak)

214 328 alarm (?)

217 328 song - poor

bad wild noise

233 wild bird - alarm - weak

S/S 240 "the mixed [illegible]/32[illegible], [illegible] all birds are together..."

243 calls of wild bird - ok

S/S 251 "... it's a full adult ♀..."

"singing now..."

song - very weak, into [illegible] 289

S/S 276 flight calls of bird - ok

S/S 297 more calls of wild ♀ - ok 300 302

309 the ♀ is now shot... ~~R~~ bill, very [illegible] 304 307

311 [illegible]

so far haven't heard any crossbills

heard a wild type 2 bird

326 calls of wild bird (alt type 2 + reg.)
to poor/weak

S/S 348 "now giving alarm calls..."
and soft whisper songs..."

353 Calling again (alt type 2) ok

S/S 370 calling again, "there are 3..."

379 birds are still here, but can't
see because dark

calls of birds as they fly around

397 one has been captured (a ♀)

S/S 404 two of 3 have been captured

S/S 413 wild male is just above decoy

424 "this is that wild bird, still not
captured... (nothing to
extremely weak song

491 Continuing that ♂ sort very weak
l. 626

630 that ♂ has been captured
the whole flock
331, 332, 333 - the last ♂ will
be 333.

END 51A A

51B
... says this is "50B" -

0 - wild bird here

S/S 4 - just a cassins finch

S/S 7 331 nothing

S/S 9 331 ok (11)

12 331 good (type 2) (15) (20) (24)

↓

S/S 33 34 332 - ok, then nothing

S/S 332 nothing

S/S 50 332 very weak
incl. rare alt. type 2
around 65 - weak

S/S 73 333 good (74) (82)
↓
wild birds \not on tape around /
↓

S/S 96 332 nothing "332 was living alternate & all..."

102 332 - alt. type 2 - good

"pair here, now, 4 birds near trapsite..."

s/s 110 332 - ok, (neg. type 2)

(120)

s/s 130 "one male is caught

135 "two of them took off

s/s 137 it's 9:47 now, and 15 min ago 4 crossbills (Type 2) arrived, now two of which are caught... not recorded because I was skinning birds... a ♂/♀ pair, apparently associated...

s/s 144 " its 10:20 now, windy, cloudy, and 5 xbills just arrived"

s/s 329 nothing

s/s 329 poor, to nothing

"all in flock of 5 are ♂♂"

s/s 163 wild bird calls - ok.

s/s 171 one of the birds were going to perch on the microphone..

193 "two or three just took off

195 "rest of flockdock off, one red 0° captured..."

S/S 200 329 ok (?)

S/S 211 329 ok

S/S 227 329 ok/good

227 238 245

S/S 249 ... its 2:43, drizzling rain, testing finds

S/S 252 328 nothing

S/S 255 328 poor

S/S 261 332 ok

S/S 280 327 alarms ~~nothing~~

S/S 291 332 ok

S/S 315 332 - weak

320 332 ok/good

*347 327 some good

350 332 ok/good 349

355 327 some ok

S/S 378 332 ok/good 380

378

S/S 383 } error in 1.11. - previous 327 actually 328
385 }

S/S 386 328 ok/

s/s	* 428	335	good	(428)
s/s	* 435	327	ok, to good	(438) (442)
s/s	448	335	good	(448) 4
s/s	465			
	466			(466) (467)
s/s	469	336	halted - good alarms	
	480		- 327 - 480	
s/s	487	336	ok	
s/s	497	336	ok/good	(502)
s/s	517	336	ok/good	
s/s	530	336	ok	
	550	336	good	(553) (555)
	560	336	ok	

7 June 524
Chiloquin, Oregon

0 – 336 nothing

337 nothing

6 – 336 ok

10

S/S

12 336 ok

13 336 rapid/ok

25

S/S 337 nothing

27

30 337 ok/weak

33 337 ok

S/S 44

45 337 good (45)

S/S 60 335 handled good alarms

S/S 66 337 good

S/S 72 337 good (74)

S/S 80 337 good

94 337 good + (95)

S/S 100 337 good

S/S 113

114 June 8 1985
Chiloquin

119 6:22 am, wild birds around
& decoys call

124 338

127 338 some good

S/S 144 "7:30 am"

S/S 148 it's 8:37, wild xbill here / Type 2

155 338 song phases (2)

179 "actually 5 birds here, I think"

153 wild birds call

S/S 197 "two of birds captured ... one one got away"...

S/S 215 338 weak calls

338 ok

230 338 good (225) (226)

251 338 good singles

S/S 260 "two males, one ♀"

one wild ♂ singing

270 wild ♂ calls - ok

305 338 good singles
338 ok/weak, to nothing

s/s
314 "3 of birds out of flock captured, but will release them. (enough specimens)

324 338 good (330) (331)

s/s 337 338 ok

s/s 346 327 weak

s/s 355 338 good

s/s 365 338 hauled - good alarms

s/s 378 NIGHTHAWK vocalizations
one bird, with several "brownings"
449

s/s 448 it's about 1:00 pm now/ wild birds released still around

s/s 462

---

s/s June 17 1985 Meadows Nat'l Forest near Black Butte
Sony PBR 330 / Sennheiser ORTF

273, 305, 327 - decoys

455 calls of all birds, largely 305, from 5 m

490 305 good, 327 good

512 ↓ ↓

S/S June 18, 1965, 5:20 am, clear
sunny, windy, warm
no sign of wild xbills,

June 18
542 in Siskiyou Nat'l Forest, 8:52 pm
in Oregon

S/S 545 wild xbill here - toots - ok

S/S 595 wild bird, toots "was giving guttural"

608 wild bird calls - ok

S/S 615 wild bird flight calls - ok

S/S 628 "on cages now"
"on 305's cage"

642 bird has been captured ♀L (339)

S/S 660 Jun 19 1985 SW oregon
6:00 am - no sign of wild cussbills

S/S 669 wild cussbills here

686 "down eating gravel now"

---

52 B 19 Jun 1985 SW oregon
7:18 am, wild bird here

002

4 small ♀ R captured, w/ resid juv. streaks, bare belly

9 will be called 340

12 340 nothing

S/S 15 7:35, decoys calling loud,
3 wild xbills here flying around

21 wild ~~song~~ phrases

32 "here come the wild birds"

36 calls of 3rd wild bird (Type 4)

S/S

49 — 3rd wild bird (♂) type 4
1st wild ♂ captured

54 — 2nd wild ♂ (good calls in flight)

S/S 58 — 2nd wild ♂, type 4, rapid

S/S 72 — nothing from 340

78

S/S 80 — ♂ just captured = 341

S/S 83 — two other birds came back,
♀ called, ♂ gets away

S/S 88 — wild ♂ calls, good (3rd wild ♂)

105 — that male is still here, 10:25 am
trying to test now 340, 341, 342

S/S 112 — it's 10:50, ♂ still sitting
there, it gave "whisper song"

S/S 119 — 342 nothing

S/S 121 — 342 good (Type 4)

S/S 125 340 good (Type 3)

S/S 137 342 ok

S/S 141 342 nothing

S/S 145 340 good, rapid

S/S 154 342 nothing

S/S 156 340 lord, gord

161 342 gord, loud

S/S 173 342 good

185

S/S 185 342 handled, nothing

S/S 189 its 12:53 now, ♂ still here, calling, moving around

S/S 196 it's 1:26 now, ♂ still here, calling

200 wild ♂ - ok - at distance

S/S 210 341 good singles (2) Type 4

S/S 220 341 good singles (2)

S/S 228 June 20 1985, Black Butte, Calif.

234

235 341 nothing

S/S 240 341 one good

S/S 250 341 one single good, loud

258 341 loud double

260 341 good

S/S 273 341 good (2)

S/S 287 341 some good

295 341 good

S/S 305 341 nothing

S/S 312 341 hard bed - alarms, good

far-off
tools of
playback in
back

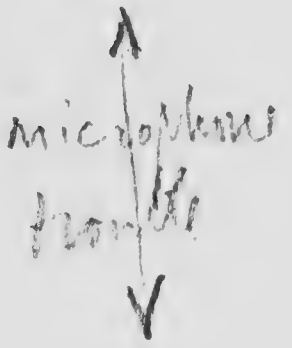
S/S 321 song of wild ♂ in pond-pine
area
"I see various crossbills about..."
"They're type 2's by song,,.

S/S
371

S/S 400 wild crossbill here,

408 calls of wild bird (type 2)

413 calls,



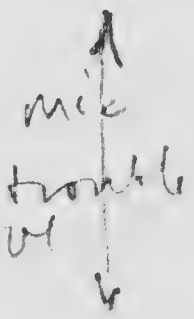
424 its 10:36 am

427 calling of wild bird

436 "I think I hear begging or copulation calls..."

462 call series - good

"a male right here about me..."



476 calls - very good - wild male

487 "he's taking off"

5/5
491 "I'm underneath tree where.. 2 birds"

distant type 2 song
begging (?) distant

556 "I think this must be a ? I'm pointed at, ? continues to beg from nest

— ending 52 B —

40 mi. W of Willows on 162
Mend. Co.

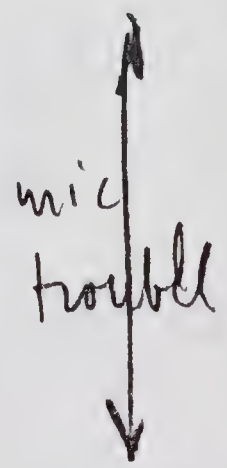
0
1 " it's 12:12, under a nest"

3 <u>begging calls</u>, one of 4 on nest

S/S 11 again, at 12:13 pm

S/S 14 again 12:21

S/S 17 testing



S/S 20

S/S 38 microphone testing

S/S 56 June 24, 1985
back at nest site 5:15 am

S/S 68 it's 6:09 am, at site where I thought there was a nest
(some calling...)

78 one call series

S/S 85

95 Flight song

109 I'm underneath nest tree now...
did hear some tooping

s/s 115 "7:22, I took a walk, and heard nothing..."

s/s 125 8:11, under nest tree... (weak begging)

s/s 149 8:14 begging - ok/good

s/s 162 (8:19) I hear crossbill song

s/s 167 (8:21) -bird to follow that song

s/s 171 (8:36) calls of wild bird
at some begging
"the bird took off"

s/s 179 "I see a nest now, about 3 m
out on a branch pointing to
SW-

s/s 191 (8:47) male has not come back
& no other crossbills

s/s 199 "I got a better look @ the nest"

s/s 204 "I've decided to leave nest"

209 (1:11) I did observe a feeding
occur at nest @ 12:05

217 good song of 305

↓ ↓ ↓

372

s/s
373 305 - calls (3)
"I played back his song to him...
he looped first, now he's giving
calls..."

s/s 388 it's 2:28 @ camp, wild crossbill
around

400 calls of wild bird orange
male:
calls, ok

calls of decoys
327 - some good

s/s 445 327 good
also 305 and 273 good

s/s
486 wild bird at campsite
toops of wild bird

c/s 502 toops of 305
and toops of wild bird
chitter of bird, [illegible]

580 305 song good

587 327 calls (2) good

596 wild bird calls ok (type 2)

s/s 639 calls of wild bird

---

53 B June 24 1984

0 - wild bird calls - type 2 - good

s/s
14 "bird took off, then came back..."
good calls

s/s
45 4:28 at nest, all quiet, I can see
♀'s head on nest

s/s
51 4:49

s/s 4:56 [illegible] chatter

65 5:17 Solitary Vireo - nothing

70 pointed at ♀, heard her give
flight call from nest...

S/S 80 just played previous ♂'s calls

S/S 94 I think I hear xbills calling from S

S/S 93 6:12

100 6:31

6:41 I now see ♀ on nest,
must have snuck on

S/S 106 ♀ (nothing) 6:40

S/S 112

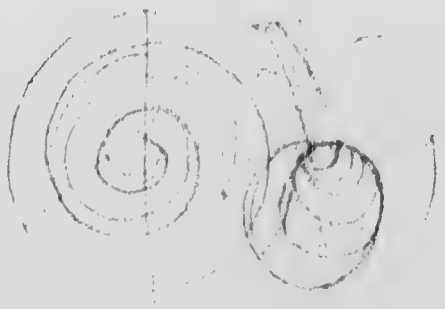
132 alarm calls from ♀ - ok

140 weak flight call

146 flight calls

149 back at ♀ - nothing

S/S 156



141 7:15 I just saw ♀ fly off nest

146 calling by ♀

171 8:00 now, back @ nest

176 ♀ begging / good ♂ flight calls

S/S 203 ♀ begging food [illegible]

215 on hill, tooping of unknown bird

212

246

273 it's about 8:35 now, 2 birds just flew to a tree near me

June 25 1985

6:25 am w/ decoys on a log

I heard xbills, I hear tooping

304 it's 7:36 am, underneath the nest, clear, mildly day; I think ♀ is on nest

S/S 313 "I just heard xbill sing phrases"

322 a bird in tree next to nest tree - calls, food w alt type 2

calling

s/s 340 birds are back, ♂ a ♀ at nest, ♂ looks orange begging, tooping

350 ♀ just flew off nest ... ♂ & ♀ flying around in nest tree

chitter

378 "birds just sort of foraging." 8:40 am

388 ♀ calls - (2)

[illegible]

s/s 402 8:50, ♀ just flew off nest

s/s 407 tooping at nest (who?)

s/s 425 ♀ still off nest

s/s 430 "8:59,"

443 "there's a [illegible] look at [illegible] now"

calls of that bird

"it's the ♀, she's at the edge of the [illegible] the [illegible] is on..."

462 calls of the ♀

"she just flew [illegible] of [illegible] again

s/s 470 "9.08

s/s 475 looping & fighting calls

[don't know who's who]

485 "one of [illegible] [illegible] ♀"

"I found [illegible] [illegible]"

540 calls of a ♂ (i.d.?)

s/s 550 begging calls from ♀ on nest

s/s 590 9:45 begging continues..

June 25 1985 Glenn Co. at nest

0 - 9:47 am, begging of ♀ continues
begging - good

5/5 6 - "♀ just left nest, (still begging,) now she just went on to nest"
begging - good

5/5 20 calls of ♀ taking of to ♂

5/5 23 distant calls of ♀

5/5 30 10:26 - went back to truck to get net & 327

40 "♂ here, giving song phrase "two birds up in that tree & one is a ♀"

54 "some courtship feeding just took place between pair"

60 ♀ of that pair is caught & hanging in net - ♂ on way down

67 ♂ down now & on 327's cage
gaping & giving fight calls (not audible)

8/5 76 10.54 - both birds of pair are
caught, still no ♀ on nest

84 pair has been weighed & measured

5/5 89 11:19, trying to record new captives

5/5 93 I hear crossbill vocalizations to N

5/5 99 no sign of any other crossbills

7/5 133 "not really sure other nest is xbill nest..."

136 327 calling - ok
327 singing now - ok
der-yee notes

170 testing; 2:28 pm

5/5 178 crossbill in trees

184 calls of crossbill - a ♀ - goat

190

206 327 - one
"It's 4:21"

S/S 215 "that ♀'s still here"
327 good

230 that ♀ coming down to 327

S/S 235 she's graveling, has an R bill

260 - that ♀ gave some very soft f. calls
now is on 327's cage
[illegible] 4:19

270 that ♀ flew up to nearby branch

S/S 279 that ♀ is calling softly from 327 cage
calls ♀ calls - good
she flew up

310 "another wild xbill coming in"
that was a pair that was here, just saw them fly to N

10 S of calls she just came back & sat on 327's cage

377 6:26 pm - put 327 back by net
I think I discovered that the
pair I caught were not the
nesters - I saw begging & feeding
on nest...

399 the ♀ has a brood patch, R, feels
heavy, now in w/ 327

S/S 408 327 occasionally gives f. calls.

S/S 419 7:01 ♂ up in trees, not vocalizing

↓

some vocalizing by bird

S/S 494 that wild ♂ is giving song now

song - ok

↓

S/S 516 327 good

S/S 523 wild bird / good

S/S 532 wild ♂ - good

↓

S/S 569 still the ♂ - song -
good song phrases - (high trills)

600 ♂ - calls/song
"it's 7:32"

s/s
611 June 26 1985 -
Glenn Co., Calif.

set up net w/ 327 & new ♀. — at 5:20
caught orange ♂ at 5:30 am
within a few min
another pair was seen
think ♂ is mate of ♀

↓

END 54 A —

54 B
June 26, 1985, Glenn Co. Calif.
6:30 am.

0 -
5 - it's 6:45, ♂ & ♀ nesters
captive
6 - male nester - singles
to nothing
s/s 18 - this is the female (nothing)
s/s 21 - ♂ calls

26 - ♀ calls - singles (o.k.)

35-43 ♂ calls - singles (ok)

s/s 44 ♀ nothing (327 in back)

51 ↓ ♀ weak

s/s 68 ♂ ok

s/s 74 it's 9:42 am, went for a walk to look around, then checked net - 7 birds in net, 6 ♀ & 1 ♂ - will release them

- 92 rebeasing bird #1 - some ok

- 94 10:11 #2

#3

#4 w/ brood patch

#5

↑ Toy sparrow songs (2) ↓

birds are all released, still all near cav

12:25 pm., there was a lone ♂ here ½ hour ago, calling singing he is now in net

s/s July 20, 1985 at ABS at cell #3, removed 327 & 59 from cage, now have 274, 295, 273, (all Type 3) - trapping bout by 2 ♀'s

loud calling by the 2 ♀♀
(274, 298)

157 - " I am in cell, turned
record level down to 2:00
on dial"

170 <u>flight calls</u> in cell

174 <u>toops</u> - good - (a ♀) no band on this bird - 295

<u>song phrases</u> by 273

<u>more toops</u>

<u>flight calls</u> - no band

♂ & other ♀

" one w/ pink band displacing the
other

200 <u>toops by 33</u> - up in corner
in topp of cell
put 327 & 59 in cages in her cell

33 is on 59's cage

220 33 is back on 59's cage

240 — 33 flight calls - good

253 33 looping
"put seashells in cell for 33"

"will release birds now"

266 33's new billing cover 59's cage

33 flight calls

"cage doors are open, but birds don't know it yet..."

294 33 landed on 59's cage

301 33 found bits of seashell, at flew up with it

310 327 just flew out of his cage

59 also flew out

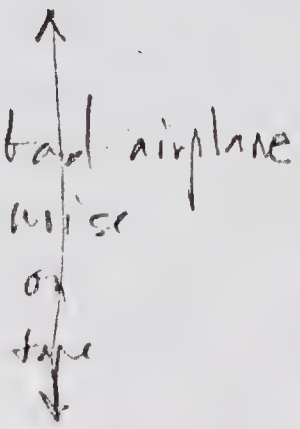
316 flight calls at flight calls of 33

373 59 toops - loud

[illegible] baby birds are peeping, and I'm
right [illegible] high pitched
'see' call

nothing

baby bird calls
poor



bad airplane
noise
on
tape

430

33 + 327 calling —

450 bird flying around

466 — I've got one of 33's babies
in my hand "see notes — ok"
it wants to feed from my hand [345]

now I've got [346]

July 21 1985 at ABS in
33's cage / w/ 33, 59, 327
59 sounds like he's giving tropical
Type 1 calls

513 babies going begging calls
(new bird [illegible])

all the birds are calling

to 1 NO A1
580

July 21 (con't) 55A

3 - in cell 4, w/ 315, 306, 315
318

318 - some chitter like notes
318 - begging calls - lousy readings

64 315 fight call, [illegible], 318

s/s
69 at cell 1 now, where I heard
loud begging calls -

s/s 75 at cell 4 now, group of 4
birds calling here, - 306
loud, 318 begging calls

98 318 begging notes

135 - good begging by both babies
furiously begging - also a
fight going on in cell, w/
feather's flying, between 33
& 327

July 26 1985
in Apache Sitgreaves

July 27 1985 - eastern Arizona
Dust off Aug 666
w/ 298, 213, 327 - calling to each other
was a sort of a wild xbill a
few minutes ago ... ca

175 quite a few will xbills around,
all Type 2's

180 wild birds around - much
looping & calling by decoys

pair of xbills in trees above
me now, ♂ in song

190 weak song of wild bird

good song phrases - wild bird

210 calls of wild bird - good

220 wild bird calls, good

s/s 240 same wild bird, calls, good
"now bird is flying directly away"

s/s 250 a crossbill here in tree

"still one bird in Ponderosa Pine above truck"

s/s 268 wild bird in tree above net, singing ... "it stopped"

* 275 good buzzy song phase 2 of wild bird, into other song

↓ more song similar phrases with call-like notes & buzzy phrases

323 tooping of another bird (typical type 2)

s/s 331 singing bird again

tooping bird again

Mr. Nuthatch in [illegible]

60 "A lot of crossbill activity, but no birds are coming down to net."

370 "it's 7:30, haven't been any activity for an hour, now a wild bird is here"

373 calls of wild bird - good

"bird seems to be coming down - giving some kind of chitter note"

385
409

400 more fl. calls - ok

That bird was shot -- will be $\boxed{\# 347.}$

"a tooping bird is here"

435 tooping - ok/good

457 "there is a crossbill here, coming down"

464 - caught the bird, an orange
♂ with large bill
(screams of bird) (#349)

472 - "more birds are coming in"

song - good, from one bird

502 it's 8:10, just caught
another bird - (#349)
small, L cross bill

503 "more birds are coming in..."

528 10:10 am, no activity for a
long time, but just heard
some..."

s/s
537 wild bird, calls good
into song

s/s wild bird - alarm - good

another bird came to [illegible] w/
first bird

" 10:23 am, birds are nearby but I don't see them..."

5, B July 27 1985
off 666 in E Aniz

0 - 10:37, two ♂♂ are gone..."

s/c 2 - it's 10:39, is a still here, ♂, in tree, going down"

bird is looking @ new captives on 348, then 349's cage shutter as bird flutters around

is a 2nd bird here (I think a ♀)

♀ is [illegible] decoys

s/c 30 ♂ flew a little away

♀ down drinking water here, ♂ still in tree

50 calls - the ♀ - good

pair flew off

5/5 ← 11:37 now, a pair of cuckoos just showed up, ♀ captured (missing many feathers from top area)

5/5

72 349 good (type 2) (77.5)

5/5

107 ♂ calls, still free, - o.k.

5/5

150 "bird 350 gave type 2 alternate calls - not on tape"

157 1:14 pm, really clouding up, thunder, a bird coming around

350 good

wild bird calling softly from dead pine near net area

210 350 one

s/s 222 wild bird flew to another dead tree
- wild bird calls (ok)

↓

264 350 singles

↓ OK

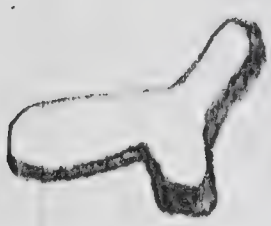
332 another wild bird just flew in and was caught right away "mate of 350 still wild and in tree above her"

369

346 wild ♂ (mate of 350)
"soft, I'm at 20 ft."

[that ♂ was shot w/ .22 at 10 ft.

400 July 29, 1985
E. Ariz.



wild bird coming in

408 350 -- one good
410 more singles

wild bird (emg) in pine tree above him

470 calls of wild bird (good

"there he goes" "gone now"

491 "that wild bird is coming back, circling"
calls - good

494 "he's back"

497 "this is 348, weak"
into song

508 bird 350 - singles, good

s/s 515 wild bird - song
350 calls - OK in response

580 wild bird calls - gord

595 "that bird took off, couldn't get a shot at it..."

56 A
July 28 1985 E. Ariz.

w/ 305, 327, 298

0 - 9:19 am July 28
wild rybill just arrived, in tall pine
gave chee-dee-yee song phrase

5/5
10 - 350 good flight calls

5/5
28 - 350 good flight calls
"wild birds around, 327 in back"

3f - "wild bird" - flight calls o.k.

5/5 39 - wild bird in flight - calls
wild bird song phrases, good trills
more good song phrases, (repeating
of trill)

90 - same wild bird, good flight call series
(good type 2 regular)

109 – missed wild bird after a shot

s/s

113 350 good
"a wild bird flew over, and is calling from a distance"

350 good

s/s

129 "it's 9:55, a wild bird calling in distance, even a song phrase from bird 348"

350 singles good

s/s 138 wild bird – (o.k. flight calls)
"in top of tall pine"

150 "now the bird's flying, circling"

154 "is long gone"

s/s

1 156 "now it's 11:31, and it's been raining for about 2 hrs, and now rain has stopped, and there is a wild bird in trees"

s/s 162 "a second wild bird is here

s/s 166 wild birds – o.k. flight calls (Type 2)

s/s 176 "birds took off"

s/s 180 "birds came back"

s/s 183 348 nothing
187 "wild birds coming in" nothing

s/s

..00 345 nothing

5/5 204 351 good (thk high pitch, 327 also calling)

5/5 216 348 nothing
"a wild bird calling loudly nearby"

5/5 224 "wild bird is here, and it's a ♀, on ground hopping around"
(351 good calls)

5/5 236 that bird has just been captured, and it's a juvenile ♂

5/5 240 350 o.k.

5/5 270 353 good

5/5 297 353 good

(279)

5/5 301 "3:34 pm, July 28"
"not much wildlife activity

308 351 nothing

5/5 313 351 nothing

5/5 370 351 good
(long series of flight calls)

5/5 431 351 good
351 good

(372)

5/5 459 351 good (long series)

5/5 512 351 good (long series)

(556)

5/5 540 351 good

56 A cont'd

558	348	nothing
563	348	two
581	348	weak
581	351	some good, then nothing
s/s 591	348	good (as wild birds come in)
s/s 616	348	good, intermittent (623)
s/s 635		"the wild birds come down"
639	348	weird, long duration flight calls
s/s 650		"this is a wild bird" (nothing)
s/s 658	348	weird calls again, weak (660)
s/s 697	↓	

END

56 B 6:24 pm July 29, 1985

0 -	348	o.k. - alt. type 2 calls again.
s/s 5 -		recaptured the wild bird, a very small-billed ♀, bird 354 " "she just tooped a couple times.
s/s 8 -	354	good toops (2)
12	354	toops (2)
s/s 23	July 29, 1985 5:38 am. "it's been raining quite a bit, wet out here"	
28	354	nothing
s/s 31	354	nothing
s/s 36	354	good (39)

4/7 5:50 am, wild bird around i- type 2 calls + song"...

5/5 53 wild bird song - good, weird trill

71 wild bird flying away now (type 2).

5/5 74 " a 2nd wild bird here"

5/5 85 354 good, loud singles (2)

5/5 86 354 nothing

91 354 one good

5/5 98 wild birds here, at least a pair
wild bird - good flight calls

5/5 110 354 ok. (2)

5/5 112 wild bird (one song phrase)

5/5 116 354 - very rapid flight call series

5/5 131 348 - good flight calls and
dee-yee song phrase

139 354 good

5/5 142 wild bird - flight song phrase

5/5 149 348 nothing

152 348 good

5/5 157 wild bird - good (o.k.) flight call series
(in tall pine)

143 "I think the wild bird took off"

165 348 good (141)

S/S 182 354 good

S/S 207 348 O.K.

"there's a wild bird around"

348 - alt. type 2 flight call

348 - neg. flight call

↓

S/S 234 354 good

S/S 245 wild bird alarm calls - good, long series

S/S 260 flight song of another wild bird

S/S 266 348 O.K.

274 alarm calls of wild bird - long series

S/S 288 alarm calls - wild bird.

[wind series -]

S/S 300 flight calls of same wild bird - o.k.

S/S 315 348 good (338)

S/S 329 "back to wild bird" (very weak calls, into alarm)

S/S 343 flight calls of wild bird - good series

S/S 356 "bird was just shot - bird [355], JGG 246 orange O L"

S/S 364 "wild bird here" - good f. calls.

348 good calls

[illegible] song of wild bird - trills

s/s 391 more song - O.K.

s/s 414 wild bird flight calls - good, into strange song

s/s 429 wild bird flight calls - good

s/s 440 "that bird took off"

s/s 444 348 good

s/s 456 "11:51 am, wild bird here"

s/s 461 "wild bird is here, low in pine tree. ... now down at water" bird took off

July 30
Chiricahua Mts, 10:00 am,
no sign of crossbills

July 31
still in Chiricahua mts

Aug 1 1985

5:30 am on 666

503 5:45 - coyote howling

s/s
511 5:53 - I think there may be a crossbill here

518 wild bird here, flew right over

s/s 525 "I think I hear crossbills"

s/s 532 "6:38, I hear wild bird"

s/s 538 6:43, I hear several xbills in area"

s/s 546 "not coming this way"

s/s 556 pointed @ wild bird (tooping in distance)

s/s 567 "there are 2 crossbills here"

s/s 575 "they took off"

END

---

57 A Aug 1 1985

E. Ariz.

0 — 7:31 a.m.

toops of wild bird in tall P. pine. - good
joined by 2 birds, "toop" remains
after the 2 take off

19 she just took off

s/s

20 wild bird - good (2)

24 "that bird is in top of small Pond. pine",
"flew to diff tree".

34 wild bird - flight calls - good
chitter, "perched right here"
" member of pair, ♀ caught" = 356

45 nothing

62 - "I had rushed ♂, but he didn't get caught ... and I hear xbill song..."

S/S 68 chitter of the ♂ - (?)

72 wild ♂ - weak fl. calls.

S/S 75 ♂ still here in tree

♂ intermittent ↓ weak calls

98 100 101

S/S 118 ♂ has flown to diff. perch"

S/S 122 "just collected ♂ w/ gun"

S/S 126 "wild ♂ xbill here, singing"

130 "he's perched on the net now"

S/S 139 captured the bird, red ♂ R

S/S

---

144 2 min N Luna, NM, on Forest Road 19, have 358, 356 for testing

S/S

---

146 Aug 2 1985 near Truchas, New Mexico, heard no xbills

153 356 nothing

160 356 1 good

S/S

167 356 weak calls,

57 A cont'd

S/S 202 356 very weak flight calls

210 356 o.k.

↓

S/S 231 358 good (245) (240)

↓

S/S 285 "7:10 am, no sign of any crossbills"

---

287 Aug 3, 1985 Uncompahgre, Colo. Escalante Rd.
with 356, 358, other decays ...

295 358 good (wild bird comig in)

S/S 306 wild bird (nothing)

325 wild bird weak flt calls + alarms

S/S 338 wild bird, good flt. calls

S/S 345 "I shot a bird", (341) (342) (346) there must have been 2 birds ..

351 "this is the other bird" (nothing)

S/S 362 it's 803, the wild ♂ is low in tree

S/S 369 wild bird - very weak flight calls.., into song-like phrases... like call notes.. (or bilingual??)

↓

420 "I shot w/ .22, didn't get him"

426 good calls continuing..."

460 bird takes off, didn't get him

165	song of 305	– good
s/s 483	356	nothing
s/s 495	song of 305	– again, good
563	305 to 8ps,	back into org
595	305	fl. calls & toops
s/s 607	356	good
s/s 624	356	again, good
s/s 641	— nothing	
671		
END		

642

57 B
Aug 4 1985, Co Honwood Rd,
Uncompahgre, Col D.

0 –	
s/s 5 –	♀ xbill on top of truck now
s/s 8 –	♀ on 298's cage
9	distress squawks of bird "she'll be bird 360"
s/s	Aug 5 1985 somewhere in White R Nat'l Forest
15	"wild bird here"
s/s 21	(wild type 5 birds calling) "weak, in back ..."

35 – 38 – nothing

S/S "sounds like a whole flock now"
(Flock of birds – Type 5)
"5 birds"
"they flew right over"

50 – "I've set up a net now"

S/S 54 "just collected a ♂ pine grosbeak"
"a ♀ crossbill here," she bathed

63 "♀ has been captured"
birds 360, 361 for testing"

S/S 69 11:42 a.m. 298 ♀ in song

S/S 72 12:24 "I heard a x bill"

S/S 26 "no sign of any x bills here"

S/S 80 it's 404, including 361, new Type 5 ♀

86 361 weak, nothing

S/S 89 361 good

(99) (101) ?

S/S 123 361, just brought out here | in response to 362 who

361 excellent session

(362 in back, responding w/ Type 5 calls)

S/S 159

144

146 pine grosbeak calls – good

S/S 175 grosbeak again – good calls

S/S 184 grosbeak again – good calls

S/S 200 another grosbeak

S/S 210 "I think there's a pair of crossbills here".

S/S 215 ♀ calls – weaker (Type 5).
"They both may be ♀♀"

S/S 232 "that bird was collected"

S/S 237 "that ♂ is still here" (good call series)

[NOTE: I don't think I found this bird after shooting]

S/S 260 diff wild bird here
they're white-winged crossbills

267 "I collected the ♀ ww xbill"

S/S 272 troop of wild type 5 xbill

S/S 288 a ♂ red xbill has been captured in, he'll be #363"

S/S "it's 9:40 am" there at least one wild xbill here"
"2 wild xbills here"

303 calls of wild ♀ - good

"it took off"

s/s 316 "it's 12:12, a wild ♀ in top of tree"

345

s/s 321 wild bird - calls good 347

350

s/s 328 that bird was just collected, will

be bird #364

s/s 331 363 good 356 374 377

s/s 347 363 good

---

s/s 383 "Aug 7 1985"

s/s 388 "at least one wild xbill here"

s/s 395 "365, 366 captured - a pair"

401 "367 captured"

"a male just captured, with a ♀"

s/s 412 wild ♀ calls good

s/s 438 more calls of wild ♀

s/s 460 more calls of wild ♀

— did not get the ♀ —

s/s 477 365 nothing

s/s 485 365 good

506 368 nothing

s/s 520 365 good

544 545 548

563 368 nothing

s/s 570 365 nothing

573 365 (one)

580 365 (one)

584 365 (one)

588 365 (one)

s/s

END

58A August 7 1985

0 - 365 good (1)

s/s 4 365 one good

s/s 9 305 sorry

36 nothing

40

s/s 42 305 sorry

into calls

72

72 — 305 calls, good (responding to playback)

s/s 100 — 305 song (beginning w/ loops) into calls

s/s 165 — 305 song

s/s 219 — 368 good

> some 367 singles, too

225 227

s/s 250 — 367 + 368, good

s/s 263 — 367 nothing

s/s 269 — 364 handled - alarm into distress squawk

s/s 292 — 367 good

297 314

s/s 325 — 365 nothing

s/s 330 — 365 good

s/s 350 — 365 good

s/s 364 — 365 handled - nothing

s/s 374 — 367 nothing

315	367	nothing
	366	nothing
	367	nothig
s/s 337	367	one
s/s	367	one
	367	good
s/s 407	367	good
s/s 415	305	~~song~~
s/s 441	wild & will here	
	wild bird calls - ? - good, but check carefully	
s/s 460	"going down"	
	wild calls - pretty good	479
	"he's caught"	482 484
s/s 490	"he'll be 369"	
s/s 492		
s/s 500	362 - weak/poor, to nothig	
s/s 513	362 nothig	
s/s		
s/s 526	362 - a couple o.k.	
535	362 ok	
s/s 543	362 nothig	
s/s 550	362 good	566

650 Aug 8, 5:24 am.

658 362 weird song phrases

↓

S/S
670 362 nothing

305 in book

END

55B Aug 8 1985

0 —

1 — 362 nothing

362 singles

S/S
7 360 — two (8)

tape-recorder troubles

S/S
13 362 — 5 good

362 O.K./good

S/S 17 362 good, loud (44) (45)

50 360 nothing

56 362 good

S/S 61 362 some good

S/S
100 360 good

S/S 113 360 one good

116 360 2 good

s/s 131 — 360 good — (120) (127)

s/s 140 — 360 good — (136) (141)

s/s 147

159 — 360 ~~good~~.

300 good for calls — (185) (188) (191) (193)

Aug 15, 1985

209 — 315 one

315 loops / alarms, flight calls, song phrases

s/s 270

271 — 315 chitter

s/s 279

Aug 21 1985 3 mi. S. Plaskett L. in Glen

w/ 327 ; 362

288 — 362 good

301 "Testing"

s/s
314

Aug 22 7:14 am
"had tape recorder troubles"
"lone 6 here"

s/s
344 370 captured @ 7:16 am

END

Tape log

59 A

0 - 4 — poor Type 2 playback, bad noise, more than 1 bird

4 - 9 — Type 4 calls - bird 305? - at ABS in summe

9 - 12 — More bad Type 2 calls

12 — "Testing 1-2" 11:42 am August 22, 1985, in the Mendocino Natl Forest"

more "testing 1-2"

16 - more poor Type 2 playback - (bad noise)

22 - "it's 11:46 am Aug 22 1985 and taping, wild bird w/ cassette recorder & sennheiser in sony Pampola... this is a wild ♀ (lone) in Mendocino national forest" (Type 2) ✓ 27 27 33 (=371)

31 - 37 — "11:56, bird has been collected, actually a yellow ♂ collected 11:53 am Aug 22..."

32 - decoy, bird 370, good

37 - "its 4:56 pm Aug 22, testing bird 370"

59A tape log

38 – "371, 066 29"

40 – it's 2:45 pm, same place on Rd where I collected 371

44 wild bird (poss, weak, in distance, a Type 2)... "looks like a pair here

49 – this pair is now perched on a Douglas Fir, which has lots of cones"

53 I lost the pair, then found them again in a tall ponderosa pine ...

55 – Type 4 calls, good, (some playback of 305?)

60 – its 5:00 on August 22, testing 370 here

62 – 370, good flight calls

73 Type 4

74 August 23; with net set up a 370 around, no sign of xbills

77 370, good (other Type 2's around)

59A – tape log

81 — 370, good flight calls

90 — xbill song?, 10:20 am Aug 23, no sign of xbills

93 — 370 – two good flight calls

96 — 370 – two more good flight calls

99 — 370 — " " " " "

102 — 370 – three

103 — 370 – two

104 — 370 – good flight calls

116

121

122 — it is 3:56 on the 23rd, just got back to the campsite and there are 2 type 2 xbills here, now perched in top of tree, pointed @ bird but not vocalizing

129 — looks like a ♀ juvenile

132 — bird is getting closer to the nest

135 — soft type 2 calls from wild bird

151 — " bird just flew to the ground & is sitting on top of it"

158 — belly calls from wild bird, (but too soft for sonograms)...

175 — good...)

172.5

173 173

59 A tape log

175 as it turns out, there were 2 birds, and I missed them both when I shot at them... and they are still a little ways away..." (181)

185 "its 4:02 and I got that bird... I don't know what made me think there was another one..."

189 "that bird will be numbered 372"

191 its 5:45 pm, and this is bird 370

193 370, good flight calls (look for low, & high-pitched versions — was tape ~~speeded up~~ slowed down during recording?)

(195) (204) high-pitched sound here

223 — low-pitched version also

370 continued

230

231 370 again — (definitely a mix of low & high-pitched versions of its flight call here... intermittent low-high) then long series of high-pitch only

(232) (233) (241) (243)

248

249 "wild bird" — Type 2 calls in fair distance

250

59 A - tape log

wild bird, flight calls and song, with some trills - weak & distant

287 "wild bird again" - good song trills at other song phrases - Type 2 - "6:31 am"
298 - - a buzzy phrase, then more weak song
302 (I walked nearer)
304 - more song from wild bird, including some buzzy phrases -- fairly good recordings here ↓
358 - "6:36"
359 - song continues
367 "definitely a red O"
385 buzzy phrases, (several good)
412 call-like series
449 "6:42 am"
450 song continues, loop-like series of notes.
479
480 "I've got the bird a little bit closer now by using playbacks on the reel-to-reel
488 soft loops of wild bird
496
497 good song phrases of wild bird (Type 5 decay in back) 352
534
535 wild bird (6:52) some weak calls
553
553 - more calls, good, of wild bird, into song 553 556
569 - more song of wild bird
↓
END

59 B tape log August 1985/October

(2) (3)
0–5 will bird-calls Aug 24 -(bird 373 - collected)

5–8 "it's 8:13 am, "wild bird here" - Tape 2 - weak

(6) "wild bird just flew over"

8– 8:45 am that last cut was a new wild crossbill ... I dont know where it went

16– Oct 12, 1985, at ABS, in all of 33:59
both birds

pskerp calls & "59" flight calls

31– "both birds"
33 and 59, o.k. calls, intermittent

52– toops by 33
59 calls

67– more 33 and 59

80– cell of 06 and 40
chitter of 40
"courtship-feed"
chitter by 40

92– Oct 23 1985 @ ABS @ 8:30 am
in w/ 59 & 33

96– 33 and 59 (33 good)

(101)

133 ↓

59 B tape log Oct 26 1985 Sagehen

Oct 26 1985 at Sagehen Creek

decoys 59 + 33

135 – calls of 59 (nothing)
137 – 59 good
|
156

145
149
153 155

10:15, I hear some wild Type 2 x bills coming to netsite coming from E (can hear flock in back briefly)

168 another bigger flock around here .... different flock I think (Type 2's only) "about 8 birds, they're setting down here now... about 20 birds here, various sizes and ages, silently sitting down here —
loops of 59 —

169
169

178 wild birds call in background, i

182 at birds, in lodgepole pine near net, showing no interest in coming down, "one male at top, I believe is the one flying song"

193 ~~reddish~~ at top is singing" -(weak to poor recording of its song)

210 it's 11:07, we captured 7 of the birds flock
5 ♀, 2 ♂,
3 ♀ being banded here

59 B tape log Oct 26 1985 Sagehen

218 - 374 nothing

224 - 378 being handled -
224 224 226 227 228 228 378 good alarm & distress calls

231 374 flight calls, good long series
232.5 234 233 "wild birds are coming in"
"they look like all females"

242 wild birds, calls good
"here come some more wild ones,, 3 ♂
just joined the 3 females

"11:41 now, 6 wild birds here, at
least four females, in the lodgepole
around the net

"I just saw the birds flying out
257 for moths, like flycatchers!"

there goes a male, going down, and
are now on 375's cage

poor recordings of wild birds
"birds are going down for water"

"there are only 4 crossbills here,
the other 2 were cassin's finches

320 374 calls, good

322

59 B tape log Oct 26 1985 Sagehen

357 wild birds call "ready to take off"

333 "this is the calls of a wild bird in a fir tree by itself"

340 bird 378, good (340)

352

"a large flock is coming in"
"a whole bunch of crossbills interacting in the sky"

this is is that same bird, not with the flock, calling by itself

flock is down by cages, but none are caught

birds are down eating snow

407 song phrase of a wild male
more song of the male, buzzy phrases ... "he just took off"

422 here's a bird giving good song, perched at 3 ft. from ground

(428) long call series, shes on 378's cage

59 B tape log Oct 24 1985 Sagehen

424 "all wild birds flying away now"
"bi
375, calls, good

447 "it's 12:36, all the fids took off, ... still trying to test some birds."

"wild birds still around"

457 bird 380, good
(457) (380) "wild birds coming in..."

463 <u>tops</u> of a wild bird, (good)
"perched in tree above net"
(465) <u>tops</u>, good
(469) (469) (472) "I don't know what sex it is..."

477 "that bird's a ♀, its going down now, going down to 372"

480 "calls of wild ♀" - flight calls good
(480.5) (480.5) (481) (482) (482)

491 "wild bird again"
"I'm going to try to get a shot at it"

that bird who was just recorded was collected, she'll be bird 381

59 B tape log. Oct 26 1985 Saachen

it's 12:50 now, and just after that bird was collected a large flock flew in, all Type 2's I think, they're up in the trees

"a hawk just screamed"

518 flock is flying away, that is 380

519.5 380 good

526 526 350 good

529.5

it's 1:00, and the flock dispersed except for a pair, bathing

540 a ♂ in a 30 ft lodgepole, is in song now.
(some weak song, then nothing)
weak calls "male again"
weak song — v.l.c song — subsong-like
good series of song of wild bird, including
↓ some "der-yer" and other recognizable type 2 elements

"I think he stopped"

"It's 1:16, I'm going to change the tape".

60 A tape log Oct 26 1985 Sagehen

(right after rock song
0 -

- its 2:25 now, still trying to record some birds

7 this is 377 (nothing)

10 - "start recording back at the field station at 4:57 pm, and its getting a little bit dark and I'm trying to record the captives

14 - 375 (nothing)
16 - 375 weak flight calls
19 - 375 one o.k

23 375 one o.k.

375 a few more

32 380 nothing

34 379 weak flight calls

390 380 weak flight calls

42 379 weak

46 377 a few good flight calls

60 A tape log Oct 26 1985 Sagehen

51 377 good flight calls

55.5

60 — "pointed at 379 now -- nothing"

"pointed at 380"

65 — 380 weak flight call series

"over to 379" 379 -- two weak fl calls

377 good series of flight calls

380 good series of flight calls

90 — 375 o.k. series

375 good flight call series

101.5

105 376 - weak, but o.k series

114 379 good series

122 376 good flight calls

124

131 "over to 375"

375 one good flight call

135 375 two o.k. flight calls

139 "over to 379" ... "nothing"

141 375 - a few weak flight calls

"over to 379" (nothing

60 A tape log Oct 26 1985 Sagehen

144	374	good flight calls	147
150	375	nothing	
154	379	good flight call series	156
161	375	two good flight calls	
166	379	good flight calls "over to 375" 375 - two good calls	167
170	375	good flight calls, long series	171
180	376	good flight calls, long series	184
186	377	- nothing	
188	376	- some o.k. flight calls, then into good series	
190	377	good flight calls	
196	375	good flight calls,	199
199	376	good flight calls	202.5
206	375	good flight calls	

60A tape log Oct 27 1985 Saachen

212 379 good flight calls (212.5) (214)

224 376 good flight calls (225)

227 379 - handled
one good alarm call — (225)

232 378 - handled
several good ~~flight~~ alarm calls (232.5) (236)

237 it's 9.23 am on October 27 ... there's a
huge flock of crossbills here at the
same

247 "a flock of six crossbills"

250 "we've captured the flock of six, all
young birds molting into adult plumage ..."

"one bird got away,"

259 "it's 9:59 am, and that juvenile is still
looking down"

262 soft calls of the bird, into song-like
phrases, (weakly recorded)

273 some good flight calls of wild bird, then (27)
into wierd subsong -- bouncy, varied -- good,
long series ... some intermittent flight calls

60A tape log Oct 27 1985 Salehen

314 wild bird continuing, into more wierd song that sounds sort of like begging of juveniles,

324 "the bird flew over to another tree"

329 more wierd song from bird

343 flight calls, then into song again long series of wierd songs

more wierd song of wild bird

(pine siskin in back)

418 "it's 10:15, at that bird was collected, at it will be 382"

its now 11:14, releasing bird 376, she takes off, giving some good flight calls

428 releasing 374, some good alarm calls, then some wierd flight calls 431 431.5 432

a bird was just released — bird 387 —

439 by mistake, at she's giving alternate type 2 flight calls next to truck

60A tape log Oct 27 1985 Sagehen

440, calls of 387, good flight calls series
"no bird, subadult female"

450 its 11:37, that bird that just escaped is in the bushy lodgepole next to nestsite,"

453 calls (flight) of that bird - OK (wind noise)

460 "it's 11:44, that bird's still around here"

463 385 good flight call series (466)

469 384 good flight call series (469.5)

471 385 good flight call series

478 387 good flight call series (473) (481)

484 384 good flight calls (492.5)

306 385 good flight calls (497)

514 383 one good flight call (518)

525 385 good flight calls (527)

384 some good flight calls

550 "387 still here?" - some good flight calls

60A tape log Oct 27 1985 Sagehen

565 386 one good flight call
386 good flight calls

582
584
585 386 good flight calls
595
601

604 it's 107 that bird 387 is still around here, giving alarm calls

608 I made a mistake and that turned out to be one of the birds just released, not 387 ... the juvenile

"a flock of about 5 birds just showed up"

621 383 – nothing

627 383 – nothing

633 383 – good flight calls 634 635.5
634.5

60 B tape log Oct 28 1985 at ABS at 5:56 am

0 - "new female juvenile"
good begging calls
"she's been giving begging calls since yesterday"

---

9 "up close to the birds now, that's "33" chitter,
"59" response"
33 + 59 chitter, good

---

27 "these juveniles are . 383, 384 (to 9), 385 & 386

28 384 one begging call

31 385 good flight call series "response by 383"
all birds calling

41 383 ok
386 some o.k. flight calls
387 some o.k. flight calls

airplane noise in back

57 -35
58.5 57

62 386 good flight calls (63) (63.5)
385 good series

---

72 ABS, Oct 29 1985, at cell of bird
305/306 & 318, 298

76 318 "typical flight call" (78)

60 B tape log Oct 29 1985, ABS

81 318, 298 –

"courtship feeding" -- no food transfer"

90 Nov 5 1985 ABS in cell of 355 & 354

92 354 & 355 – some poor OK flight calls

105 END OF RECORDINGS

63 A tape log April 24 1986, ABS

0 - good toops of bird ~~7~~, ~~mixed~~
~~w/ some very wierd~~ 318

Some song by 318

318 - excellent song and some "wrentit phrases"
(badly over-recorded)
good song, with "der-yee" notes

53 "this is '59' and '33'"

"33's on her nest, not realizing"

59 excellent toop series (55)

71 "59 as he flies around the cell"

74 59 some weak flight calls

101 59 some weak flight calls — (102) (10

'33 just left the nest... she has one egg
on the nest'

Soft chitter by both birds

138 April 27, 1986, ABS

~~23~~ 305, 306 (good calls, but indiv's not i.d.'d)

305 & 306, mostly 305, good flight calls
(154) (155.5)

:3A tape log Apr. 27 1986 ABS

170 good toops and alarm calls of both 33 & 59 "I disturbed the nest"
["there are now 3 eggs in the nest."] 174 174.5 175

183 "59" flight calls. 189

193 "40" good flight calls

some responses by "06"

214

218 May 3, 1986 at Sagehen Creek at 6:45 am

220.5 222

221 bird "40" calling
good flight calls of 40

"it's raining out, but not cold enough to be snow", "and I thought I heard some crossbills."

227 10:12 am, and after a long drive around thru Nevada we came back here, and we have 40 w/ the net

I hear alarm calls from 100 yds due south

233.5

235 good flight calls of wild bird

caught in net "40" in song

237 237 alarm of new captive (ooree's of 40)

68A tape log ~~April 2~~ May 3 1986 Gagchen

241 — nothing

246 11:10 am, we noticed some crossbills coming around here, appear to be two females

250 excellent song of 40
(poorly recorded)

261 "this is the still-wild bird" - ok flight calls (Type 2)

267 good calls of wild bird

270 one bird is still in the net, and this other female is calling
— good flight calls —

275 ... alarm call there"

277 two flight calls

279 one flight calls

280.5 two flight calls

284 good flight calls of wild bird
"L-cross" of bill, definite ♀"
excellent flight calls

"that ♀ flew away"

301 12:10 on May 3 "two birds, 387, 388"

306 387, nothing

63 A tape log May 3 1986 Sagehen

314 Bird 387 - good flight calls (317.5)

(YELLOW - RUMPED WARBLERS)

333 Bird 388 - fair flight calls (333)

337 388 - two flight calls, (338)
342 then weak calls

350 388 - good flight calls, then (349.)
weak flight calls (352)

368 May 4 1986, 6:00 am, still @ Sagehen Creek, no sight of any crossbills this morning

END OF ENTIRE TAPE

64 A tape log - May 11, 1986 ABS

0 -

1 - "cell of 305 & 306, but can't tell who's who, all I get is a silouette, also on side are 298 and 318"

305 & 306, good flight calls (10) (11)

17 - 318 and 298, good flight calls (15) (19.

27 - 274 & 275, as well as 354 and 385

40 - ? (354 & 385, not i.d.)

44 - "273 & 274" (nothing)

48 - very soft flight calls of 273/4

65 - "59" good flight calls (74)

85 - high peeps of baby birds in nest good recording (59 calling weakly in back) (93

these peeps are of relatively short duration... about 100 ms ea.

115 - toops of 33 - good - as she flies of the nest... (118

122 - 59 one good chitter note

C4A tape log May 11, 1986 ABS

189 – 59 excellent alarm call series
(127.5) (125) (129)
"I felt the nest & there are hatched birds in the nest..

196 – excellent peep calls of baby birds on the nest..
(146.5) (149.5) (152.5)

177 "33's back on the nest"
peeping continues
(180) (188)

192/193 "start recording again"
59 good tsoop series
(195) (196)

199 59 good flight calls
(201) (206)

212 high peeps of baby birds
(216.5) (218)

224 59 good* flight calls
(231)

250 baby birds high peeps again more vigorous
(253) (259)
"59's down on the floor of the cell, foraging now"

273

274 "33's now feeding the baby's"

279 song of bird 318 – excellent
out of strong echos.

64A tape log May 11 1986 ABS

291 "big commotion in 273 on 274's cage
loud toops
"I can't tell which is which, also
fright calls"
"that loud, rapid one is the male" (310)
long toop series

325 "274 - flight calls" (326)

331 "I'm at 33 on 59's cage -- 33 is
now feeding the babies..."

"33 is now singing while feeding..."

59 good flight calls, and
33 good, wierd, song-like flight calls...

"now 33's settling back on the nest"

355 59 good flight calls
362

363 59 good flight calls
369

370 May 15 1986 ABS

376 "now @ 33 and 59's cage, and I've
just fed them some new pine nuts"

Some brief alarms by 33 (383)

389 "33 there" - wierd flight calls
"starting on the rim of the nest
59 Two good flight calls

64 A tape log May 15 1986 ABS

407 "this is bird 59"
59 good flight calls

429 "I'm pointed right at the nest"

441 bird 318 excellent song, with
toops, calls, etc. wrentit trills

END

64B

0 "this is bird 318 again"
chitter, flight calls, alarm calls, song

7 — 318, good song

16 — "this is an aggressive bout between 318 and
295" -- flight calls, toops of 298
flight calls of 318 -- into song
318 - ~~toops~~ fighting calls, into
song phrases and toops of 298?

77 @ 80-5000 (song)
30 @ 80-8000
34 @ 80-8000

45 "another fight" - (less calling than
last time, increasing then
318 good flight calls

64B tape log May 15 1986 ABS

50 troops by ~~298~~ 318 - good songs

60 318 good trops - regular type 3 troops
    315 more song (60) (5

74 "Jim in the cell of 59 at 33, and I'm taking the nest out of the tree ... and there are 4 babies in the nest..."
    "Their eyes are closed and their crops are full.."

85 good begging (peeps) of babies 83 (83.5 (84 (8

89 "look at the cell of 318, who's in song"
    some song of 318

93 good song of bird 318, with many loud "wrentit trills" (97.5 8

130
131 "bird 318 here" - good "wrentit trills"

145 good song phrases of 318

147 still at the Berkman Station, trying to get the song of a real wrentit here
    (nothing)

154 May 25 1986 in Arizona along Rim Road, about 2 miles east of 260"; and I've been parked here about 45 minutes, and these are

the wild birds at bird

64B tape log May 25 1985 Rim Rd. Aviary

164 "I believe there are two males here, one's a male at he's perched in a ponderosa pine"

soft flight calls of wild birds

159 "wild birds, definitely type 2, I heard them calling as they flew in"

fair-good calls of both birds

"and they're about 10 ft. above the trunk

"a rosy male just fluttered down"

212 good series by rosy male

214 "there he goes, flying off"

"the other bird I think is still right above the cage

387 ~~good flight calls~~

225 227 "Bird number 2" — good flight calls

226 =389

228 "~~The~~

"I've just collected bird #2, which

234 is a female"

235 its 1:50, 2:00 now, & the ♂ still here, calling, & he was the one at

64B tape log May 25 1986 Rim Road, Arizona

his calling again"
weak song = calls of wild male

276 "start recording the male"
(almost inaudible song of wild male)

324 it's May 26, 1986, in the White Mts of Arizona, & there are wild type 2's here (good calls)
"10 wild crossbills, right in the trees above the campsite"
"most of the birds have taken off

352 "it appears the flock has taken off entirely"

May 27 1986, in Greenlee Co., Ariz.
"no sign of crossbills"

365 good song of [solitary vireo]

393 good song of [solitary vireo]

407 it's 8:48 am, and there's 2 wild type 2 crossbills here in the trees above the net... actually there are 3 birds"

64B tape log May 27 1986 Greenlee Co, AZ

408 good flight calls of small flock of wild birds

"and they're going down, one of the ♂'s is perched on the antennae at this point"

442 "one of the birds has just been captured, & it's a red ♂"

446 "these are the calls of the third bird -- call him #3"
"two birds still in net".

460 good flight calls of wild bird

END

GSA tape log 27 May 86 Greenlee Co

27 May 1986 in Greenlee County, Arizona.

0 – "I just captured 3 of our crossbills here, one (JGG 391) just escaped from my hand
at least 2 wild birds here near the net

---

6 – "this is bird 391, who had escaped..."
391's flight calls, good

---

20 "here's that bird again" more flight calls

"the one who's calling is actually not 391, but
45 actually a female..."

---

45 "at least 3 birds in the trees; 391, a male and a female ... and this is the female"

---

50 "wild birds again"

---

64 these birds are still in trees

---

71 one of the birds went down

one more bird has been caught, female was caught for a minute, 391 still free

---

it's 11:45 am, testing

65A tape log Chiricahua May 27 86

Chiricahua Mts
May 27 @ Rustler canyon, testing, this

90 bird 394, good flight call series

(93) 11:45 am, test recording new

100 393 nothing
393 weak

103 393 nothing

107 394 weak singles

111 bridled titmouse alarm, warning calls
↓

122

whip-poor-will vocalizations

↓

137

138 May 28, 1986 in Chiricahuas near Rucker Canyon, testing birds

145 393, ~~for~~ o.k. flight calls
(weak calls)

↓

177

↑
Mexican Jays in background
↓

178 393, good series of flight calls

654 tape log May 28 1980 Chiricahua

197	bird 392, good flight calls	(199)
203	bird 392 - 3 good	(203)
	other captives in back ↓	
213	393 - nothing	
215	393 - good calls	
225	393 - good calls	
234	393 - good flight calls again "responding mainly to 394"	
247	343 - good flight call series, better than most of the above "394" in response	(244) (245) (247)
262	394 - good flight call series	(263) (264.5)
272	394, handled,	
276	loud distress calls	
280	394, good alarm calls, into a buzzy distress call	(282) (282.1)
295	392 nothing	
303	393 - some weak flight calls	
311	393 - loud flight calls	
315	393 - good flight calls	
321 330	393 - good flight calls	(322.5)

65A tape log May 28 1986 Chimicahua

330 bird 392 – some weak flight calls

338 bird 392 – good flight call series

355

356 bird 392 – good flight call series

369

370 bird 393 nothing

bird 392 – one flight call

392 bird 392 – intermittent singles

403 bird 392 – long distress call series

442 – vireo near camp

446 – vireo again, good song series

"bird is foraging, attacked a caterpillar, whacked it

one vireo song

475

476 May 29 1986,

476 477 bird 390 – flight calls, good

65A - tape log May 29 1986 Chiricahua

494 bird 390 - weak song (well recorded)

503 good song of 390

510 call/song phrases

520 more robust song, then stopping

---

528 390 - long alarm call series, strangely rapid alarm repetition 543 54. 547

557 390 continuing, but several interspersed flight calls

552 390 - continuing, but more interspersed flight calls 564

---

595 390 - single flight call

---

390 - nothing

---

390 - nothing

"testing 1-2"
microphone jack #2

---

390 - nothing

636 387, good flight calls 638

---

658 390 - good flight calls 658
390 again - wierd, rapid 668 675

65.B tape log May 30 1986 Chiricahua

May 30, 1986 in the Sacramento Mountains of New Mexico

0 - bird 390, good flight calls (1.5) (2)

7 May 31, near Truchas, new Mex

12 - Townsend's Solitaire - good

nothing

19 Townsends Solitaire - good series of calls

30

June 1, 1986, 5 mi. N of Leadville, Colorado, its 12:50 pm, just heard a single bird, Type 5 · Type

39

June 2 1986 10 mi. N of Leadville

54 wild type 5 bird, very good (54.5) (61)

"bird is perched in tree right above truck" - good flight calls

(bird takes off)

66

67 I hear a bird tooping here somewhere (poorly-recorded type 5 toops) - long series

83 better recorded here, then series of excellent flight calls "bird is going to net again (83)

(89)

91 excellent flight call series of that bird (91)

45 B – tape log June 2 1986 Leadville

92 its 854, wild Type 5 bird here (95.5)
99 excellent toots of wild bird
"it's a red male", neon net (140.5) (103)

105 "bird has been captured, he'll be 395"

107 390 - distress calls, loud series

121 still June 2, it has been raining
type 5 birds came & took off

126 loud type 5 calls (2) ?? =395 (125)

June 3, 1986, net w/ 387, 395 as decoys

144 June 3, 1202 pm "I've located a crossbill nest" – she has only responded to playback of calls of bird 395"
↕ calls of ♀ - rapidly begging

167 ↓ more begging calls

170 bird 395 - weak flight calls

recording by nesting ♀ again
♀ good begging calls (175) (179) (179.2) (180) (182.5) (186) (189.5) (191)

more vigorous calls

65 B tape 1.g June 3 1986 Leadville

219 –

222 – 395 one ..nesting female calls in back

231 – 395 singles

240 – good calls of ♀ from nest

246 – more good calls of the female

278 traps of ♀, off nest

360

♀ - flight calls

396 – good flight call series from female

411 "that was 395 giving a bit of song there"

412 395 – nothing

420 "the ♀ is off nest, in 40ft lodgepole in clearing"
good flight calls (singles) from ♀

437 "♀ is on nest that now"

65 B tape log June 3 1986 Leadville

437 "the ♀ is going down to the cafe"

441 "she went back very near the nest"

446 ♀ begging calls - good (448)

"I threw another stick at the nest"

457 395 flight calls

463 ♀ - good flight calls

469 395 one flight call,
then 2 o.k flight calls

474 "the ♀ flew across the clearing to a spruce tree"
♀ calls - good

482 "that ♀ is still in spruce after 2 min, and she's still calling"
♀ calls - good (487) (488)

492 395 nothing

497 it's 235 pm, and the ♀ did not go back on the nest - she disappeared and has been gone over an hour now

65 B tape log June 3 1986 Leadville

501 June 3 @ 5:40 pm and off of Hwy 24 just S of Tennessee Pass, and I've played back some tape recordings and a Type 5 xbill flew in" — dont see it

---

508 June 4, 1986 @ 6:05 am, and there's a wild crossbill here... and this is it..."

(one or two calls) 508

"and it's a ♂ - orangish - just above net"

---

518 "the bird went down a little way, giving chitter notes..."

---

519 "the bird is a red ♂, rather than orange and he's almost down on the eages..

---

522 "that bird has been captured, he'll be 396"

---

524 "...it's 6:30, and there are more wild xbills at least 3 or 4 birds, now all perched in trees above net..."

---

532 "I think there are 4 birds in this flock, one sitting apart"

---

65 B tape log June 4 1986 Leadville

536 "one of the ♂'s just flew across the clearing to the lodgepole w/ the others"

538 "it's been about 3 min, and have been foraging vigorously on this lodgepole

542 Type 2 calls - one of the wild birds

"one of the wild birds is Type 2, and I think it's that orange ♂"

551 "there was just a fight among the birds"

554 "the flock just took off"....

561 "wild bird"

564 Type 5 calls - good 2

569 "birds going down again"

572 "that bright red Type 5 male was just ang

573 "the other birds are all down now, but they're not really near the net... they're by 396's cage in "I'm walking toward the birds"

65 D tape log June 4 1986 Leadville

591 "this is that Type 2 ♂"
good flight calls

(590) (591) (593)

596 "I was going to shoot the orange ♂, but he and a Type 5 ♀ flew off..."

610 "That Type 2 ♂ was just caught in the net, and the 2 Type 5 ♀'s are here, and this is one of them"
good flight calls

(609.5) (610) (611) (612) (617)

625 "that bird was just collected, and there's still one Type 5 ♀ here somewhere"

627 "call her bird 397"

629 "that last ♀'s down by the net, but not caught yet

630

636 "this is that type 5 ♀ - "
good flight calls

(632.5) (634) (635) (636) (637) (640)

644 that bird was collected, she'll be 398"

645 it's 9:06 am, no sign of any other X6:ills, testing 396, 399, and 400"

END

66 A tape log June 4 1986 Leadville

0 "testing 396, 399, 400" — 396 good flight calls —

6 - testing 399, nothing

14 - 399, good ~~flight~~ call series 400 in back

18 399 good flight calls 14 15 15.5

20 } nothing
25

25 399 two good flight calls

29 399 ~~single~~ good flight calls 31 32

36 396 - nothing

40 396 - one flight call

48 400 - two good flight calls

52 400 - nothing

54 396 - good flight calls 55

58 400 - good flight calls 60

70 396 good flight calls, then few weak, then nothing 71

77 396 - good flight calls 79 83

89 396 - handled - distress squawks —

66A tape log June 4 1986 Leadville

96 "it's 11:36 am on June 4 and there's been no sign of any other xbills"
"now handling 399" (100) (100.5) (101)

399 - good alarm calls, long series (104) (108) (109)

110 12:20 pm June 4, no sign of any other xbills here... raining & hailing on occasion..."

handling 400

113 400 flight call (one)

117 400 good flight calls

125
129 "handling 400" - ? - nothing

134 400 - distress squawks

146 "wild bird on the scene here, type 5 bird in song"

some weak phrases

"looks like a lone bird;"

153 wild bird - good flight calls

162 "bird's going down"

167 "that birds almost down, it looks like there are 2 wild birds here"

June 4 1986 65A tape log Leadville

173 "that ♂ is well-caught, the ♀ nearby"

181 "this is the ♀" - good flight calls
very long series

205 "it's starting to rain now"
"this is still that ♀" (206)

210 "306 pm, there's been a storm here for about an hour, hour & one half" ... both members of that pair were captured, and they'll be numbered 401 & 402"

214 "testing 401 (♂) & 402 (♀)"

216 402 - one good flight call
402 - one flight call
227 402 - one flight call

234 "bird 401 has been giving song phrases on occasion"

246 401 - one good song phrase nothing then nothing - (248) 50-5000

272 401 flight calls? very weird call - good (271.5) (275.5)
"going now to 402"

280 402 good flight calls

June 4 1986 664 tape log Leadville

288 401 good flight calls

294 402 good flight calls

— "(after 20 min)"

301 401 good flight calls

308 402 good flight calls

— 310

314 401 hailed - good alarm calls 316

319 "401 again" - good alarm calls 322 323

325 "hailing 402" - nothing

343 June 5 1986 Tennessee Pass, CO

5:21 am

"cool - fogged - in morning"

349 " its 6:54 am, no sign of kills for past 2 hours, but 395 here giving alarm calls..."

357 387 - good chitter

395 alarm calls (becoming sigle & very intermittent)

366

664 tape log June 5 1986 Leadville

374 "its 7:50 am, & the birds are getting very excited.."
(loud calls of 395 & 387)

"o.k its a ♀"

383 one good flight call & a song phrase of the wild ♀ (loud airplane noise) 7

391 good song phrases of wild bird

399 395 chitter - good - weird -
387 flight calls - good
395 one alarm call, then more chitter

414 wild ♀ - good song, becoming very soft

(412) (41) (415) (424) (432)

446 "that ♀ went part way down"

450 "♀ just perched, looking down"

454 wild ♀ chitter (airplane noise)

465 "♀ still here, foraging on lodgepole pine trees"
weird chips by wild ♀ (flight calls)

(471) (477.5) (478) (475.5) (479) (489) (409) (490)

476 wild ♀ - flight calls, then nothing

487 wild bird - alarm calls "in resp- to Gray Jay,
also flight calls - mixed - soft

66 A tape log June 5 1986 Leadville

514 "the bird took off"

517 "that ♀ has come back in response to playback..."

518 "I've collected that ♀"
"she'll be 403"

521 "bird 387 got really excited here"
387 loud fright calls
"no sign

526 "9:22 am, wild bird is coming in"
"sounds like Type 2"
"no response from 395"
[distant calls of Type 2 bird]

387 in back

539

550 "two birds just came in"

555 "I'll call them birds 1 & 2"
"bird 1 is a ♂... this is him giving
Song phrases

"bird #2 appears also to be a ♂"

587 bird 2 - chitter notes

66 A tape log June 5 1986 Leadville

595 Song phrases of wild bird

604 "bird #1 just went down"
"bird #2 (brighter) is approaching"

612 both of these birds have been captured... bird #1 will be 404 and #2 will be 405"

617 405 - nothing

620 405 - flight calls (singles)
| good series to ~~End~~ @ 680

---

66 B tape log June 5 1986 Leadville

0- 405 flight calls (3)✓ (4) (5)

8- 405 flight calls

15 405 flight calls (16)

21 405 - handled - loud distress squawks (24) 30-something

28 405 - handled - nothing

36 404 - nothing

40 404 flight calls

46 404 - nothing

66 B tape log June 5 1986 Leadville

(49) 48 tot flight calls, then nothing

57 " 4:24 pm on June 5,
404 flight calls

(60) "there is a wild bird here, I think
Type 5" ?

72 wild bird - <u>fright calls (soft)</u> (77)
"the wild bird just went down, and is (52)
near 404" (57)
404 good flight calls (90) (91) (91.5)

92 "I've just pulled that wild
bird out of the net -- will
be bird 406" -- "and just
caught another bird"

94 "still be 407"

98 404 - handled - nothing

6613 tape log June 6 1986 Leadville

106 "June 6, 1986, Tennessee Pass, Eagle Co., CO at 5:45 am"
net w/ 395, 387

"6:42 am, no sign of xbills"
110 395 flight calls

115 407 flight calls

137 407 flight calls

159 407 - muddled - nothing

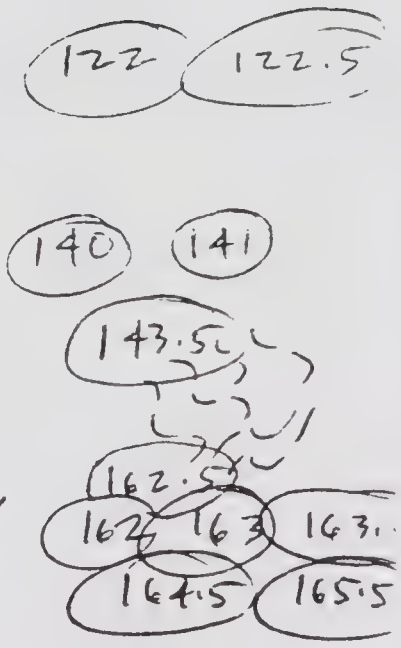
163 407 alarm calls - good series, into a distress squawk

169 "it's 5:48 pm on June 6, no sign of any Xbills all day ... recording of "abnormal robin" "

[some weird robin vocalizations]

194 June 7, 1986 Tennessee Pass @ sunrise
net w 395 & 387 (loud calls by both

208 "there's a wild, low one here"
210 weird flight calls by wild bird
"oh, it's a pair"



66B tape log June 7 1986 Leadville

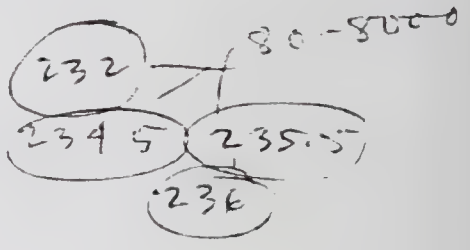
215 type 5 calls "it's the ♂"

223 wild birds – calls, including begging
"those birds took off"

226 "birds are getting excited, I think wild birds are here"

song of wild bird

232 80-8000
234.5 235.5
236



240 more song
"lone ♂, in spruce above truck"

247 "I don't see that ♂"

250 it's 5:52, I hear calls of more wild birds".

"there's a pair here now"

259 wild bird flight calls (Type 5)

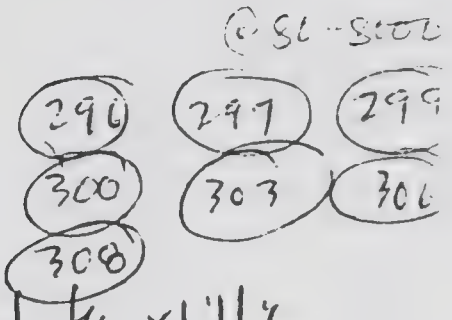
"this bird, I think, is a ♂"

282 "at least 4 or 5 birds here"
"flock took off -- about 6 or 5 birds"

285 "one lone wild bird here"
song phases & flight calls
"male"

66B tape log June 7 1986 Leadville

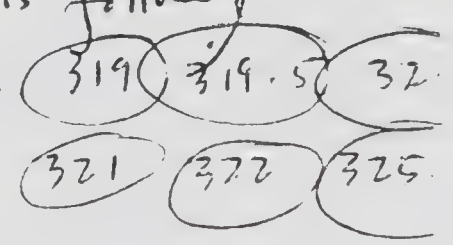
290 good song, with good trills
excellent long trill series



"cowbird just flew in & displaced the trill"

---

318 flight calls -- "am the bird is following him"
"this looks like a ♀ here"



321 flight calls

"she just took off"

---

330 "I've tried to follow those wild birds, a flight perched around here but I don't see them"

"flight calls of ♀"

"I'm back @ the net, that's her chittering"

"I've shot @ that ♀, took a shot & winged her, & she's in a tree, still alive, but out of it"

---

342 "that ♀ has been collected, she'll be ₹08"

"some wild birds flew over, looping, & they're largely gone"

---

347 "those were Type 5's"

666 tape log June 8 1986 Leadville

350 "there's a Tyto here, tall spruce"

353 "that bird must have taken off"

365 June 8 1986 Tennessee Pass, just before sunrise

"5:06 -- I don't see wild birds"
at least 2 birds here
good calls - white wings? 373 377 379.5

381 5:14 - more wild birds here

385 lone bird - good flight calls (Tyto?) 386 387
"that bird took off"

"one of two birds has been captured - will be 409"
"there's a ♀ still in the tree"
♂ - 409, ♀ - 410

404 "Tyto's bird"
"it's a ♂, lone ♂"

66 B tape log June 8 1986 Leadville

@ 50-5000

413 414 415.5
417 423 426
454 456 459
465.5

418 song of wild ♂ - excellent buzzes.
long, excellent song bout

477 soft flight calls
"he's going down"

482 "that ♂ has been captured... he'll be bird 411"

"a flock of 4 type 2 xbills just showed up"

that flock will be 412, 413, 414, 415

495 "a huge flock of xbills is around here somewhere... sounds like type 2"
"about 20-25 birds in this flock"
"well, about 15 birds"

504 "one of the birds has remained behind, I think it's a Type 5 bird"
"now its on top of the net tree"

@ 50-5000

510 song phrases (good) of wild ♂
good series of song phrases

518 526.5
528.5 533
565 567 57

564 trills

into weak flight calls
good flight calls
640 more buzzy song

67 A June 8 1986 Leadville

661 "that bird flew to a diff tree, further away... still singing"...

667

67 A

0- calls of wild ♂ (1)(2)(3)(4)(7)

7- "that birds up in the net tree"

10 "I shot that bird, he'll be bird #16"

12 no sign of those wild birds

14 "it's 7:30", 6 type 2's on scene and theyre

19 "theyre taking off now"

21 "one of the birds came back" good flight calls

"I think a ♀"

26 flight calls (Type 2)

"that is the wild bird [illegible]

67 A June 5 1956 Leadville, CO

29 "that ♀"
good flight calls
(30) (31) (31.5) (35)

39 "she's going down"

"she bounced out of the net"
good flight calls of ♀

48 "there she goes" ..

50 "that ♀ "again" - good flight calls
(51) (58.5)

59 "there she
she'll be 417
417 - good alarm series (63)

68 "it's 7:53"
"there's a pair here, strange flight calls
good flight calls of ♀
good flight calls of ♂
"the ♂ took off"

80 "I think the ♀ took off, too"

674 June 8 1986 Leadville

81 410 – handled – nothing

85 409 flight calls (85) (85)

97 409 flight calls

100 410 one flight all

104 410 flight calls

112 409 flight calls (105) (105.5) (112.5)

114 410 flight calls then nothing

137 410 flight calls (good)

146 411 – nothing

157 410 – handled – good alarm calls (161) (163) (164)

166 412 weak flight alls (174) (175) (177.5)
then good flight alls (184.5)

185 415 good flight calls (189) (191) (195.5) (197)

194 415 high-pitched version (198) (199) (205) good, long series mostly low version

234

67A June 8 1986 Leadville

237 415 good flight calls - low version
241 (high-pitched version) (242) (243) (244) (246)

246 411 (nothing)

249 413 good flight calls (255)

271 413 - nothing

273 411 good flight calls (weak)

253 413 good flight calls (255) (267) (269)

291 411 - nothing

294 411 good flight calls (299)

311 ~~411~~ one flight call, then singles, then some doubles

322 411 - good flight calls (334)

335 409 - handled - one good alarm, (343) (344) (346.5) (347) then more alarm into distress

351 409 - more alarms

67A June 8 1986 Cadville

358 "10:59 am June 8 ... wild Type 5 here"

"I'm not sure where the bird is"

363 good fright calls of wild bird (366) (367) (368)

"that's the bird flying over to the truck & the other captives..."

376 "it may have takenoff"

379 "still here" – a ♀ (386)
good fright calls (388.5) (389)

"collected that bird, shell be 418"

399 415 – handled – nothing

411 412 handled good alarm series (414) (415) (416.5)
into distress – like calls (not buzzy)

421 "12:55 ~~on~~ June 8, at wild xbills coming in"

"Red ♂, sounds like Type 5"
"two birds, taking off"
"oh, five birds" –

67A June 8 1986 Leadville

441 handling bird 413 –
distress squawks – loud

465 410 – handled – good alarm series (472) (472.5)

499 "2:38 pm, wild Xbill here perched in the tree"
"toops 3 of 414" (in back) (465)

489 "wild ♂, lone ♂, above truck, type 2"
some soft song phrases

more soft song of wild ♂

520 into chitter – (522)
"went down to cage of 411, under a pine
411 flight calls (551)
wild bird flight calls
"now the bird's flying over to the net setup"

572 414 good flight calls

593 "there's actually a pair of xbills here and they're both caught
"they'll be 419 – ♂, and 420 – ♀"

599 414 nothing

67A June 8 1956 Leadville

605 414 - nothing

615 411 - handled - nothing

637 414 - good flight calls (661) (662)

676

END

67B

0- 414 good flight calls (1) (2) (3) (7)

7

9 419 good flight calls (9.5) (10)

14 "wild birds" = white-wings (14.5) (15)

17 "those wild birds took off, going S across the pass"

"I believe those were white-winged ibills"

21 419 good flight calls (21)

23 419 good flight calls (24.5) (25)

30 420 good flight calls

41 414 handled - nothing

67B June 9 1986 Leadville

52 June 9 1986, Tennessee Pass

7:38 am, just got net set-up
stowstorm this morning

57 420 good flight calls (58) (59) (59.5) (60)

68 A19 - hurled - distress squawks,
(long series)

74 "9:20 am, I think some Type 2's around"

79 420 - hurled - distress squawls
w/ one alarm call (81)
↑ two

97 "1:53 pm on June 9, there's a
wild Type 2 xbill here, exiting
decay 387"

---

101 June 11, Kaibab Plateau of Ariz
with 387 & 395 - no sign of xbills
this morning

105 flock of xbills just flew in here -
Type 2's
song (mixed) of wild birds
"one bird just swooped down"

67 B June 11 1986 Kaibab

140 good flight calls of ♀
into song –

Song of ♂ (weak series)
into good series with
190 "ooree's"

@ 50-5000
191 192.5 194
196.5 197.5
201 202 202.5 = 422

200 into flight calls

204 "that bird has been collected, and
will be bird 422"

205 "a little bit later on June 11, and
there's a wild xbill here"

207 "pair of birds, — 3 birds"

"pointed @ 421 for testing) nothing

213 "now at a wild bird

214 "this is a wild ♂"
"nothing" (but good song
of somebody?)

225 "the ♂ again"

227 "one of the birds"

228 alarm calls – long series

670 June 11 1986 Kaibab

243 "one of the wild ♀'s who was down just flew back up to the tree"

---

248 387 – alarm calls – good

---

254 421 good flight calls (257) (255.5) (261) (265.5) (267)

259 "those are the wild birds taking off" (good calls)

421 good flight calls – and 387 on side

---

270 "there's a lone male here"
good song, then nothing

"that bird came down... here's perched next to 421 calling there"

290 421 good flight calls
that wild bird just flew off, (301)
to a big ponderosa pine far away

---

306 "I'm under that bird now... he's just giving some soft song" (311) (312 & 314 a little later)
song of wild or
"now he's giving flight song, going back to the cages..."

340 soft flight calls

---

351 flight calls of wild bird

67 B June 11 1986 Kaibab

375 "there is another wild bird here"

377 "this is the other wild bird"
good flight calls

387 "wild bird number 2 here"
good flight calls

395 "there goes wild bird number 2"
some chitter

396 "wild bird number 2 there was a female... and she just flew off"

399 421 handled —

405 distress calls, then 405
alarm calls

415 "June 12, Kaibab Plateau"

417 387 — "calling there"
"about 3 xbills, Type 2, just showed up"

421 "recording wild birds"

424 flight calls of one wild bird (Type 2)
another bird joins in

67B June 12 1956 Kaibab, AZ

448 good song
then loud calls (Type 2)
one of the ♂'s is staying behind

459 "no sign of that ♂"

465 "some wild x-bills around again, it's still June 12"
"no sign of wild birds"

470 "wild x-bill"
"pointed @ one of the birds"

476 flight calls (475) (478) (481.5) - A3
"I think this is a ♀"

492 "she's closer now"

496 "that ♂ made an approach"
"here's another ♂" (496.5)
flight song ("der-yee's" - good)
"that ♀ has been called in, she'll be #23"

508

509 "one of the birds, who's a ♂, is still around giving some song" (511) (515)
50-500

"that ♂" - good song
"looks like a really bright-red one"

532 flight calls

67B Kaibab June 12 1936

537 - "still a couple xbills in the Aspens foraging..."

551 flight calls of birds - Type 2

555 one flight call "that's the ♂"

560 good flight calls" - long series
"this must be the ♀"

595 "yes, this is the ♀ calling"
"there goes the pair, flying off across the clearing..."

608 "looks like that pair is long gone"

611 "a little later, - birds here"
good flight calls
into Song (621)
"there going over to 395 there"
"♀ is down @ 395's cafe,"
"there are 3 birds / 2 ♂'s)

calls of birds

68 A July 6 1956 ABS

0 – "33 and 59's call – they've got one older baby and two younger babies."

3 – alarms by 33
begging calls by babies – chit-oo

8 good ~~alarm~~ toop! series by 33 (7)

11 33 alarms into toops – good series
59 flight calls (12.5

25 begging by babies – not good
"59 being aggressive to baby"
flight calls by 59

33 good begging by
59 continues to pursue baby around the cell, displaying & gaping at him...
twittering by the baby
33 toops

51 59 flight calls

52 chitoo's by baby

55. "recording again after 2 min..."
(same calls by the 3 birds "baby", 59, & 33)

684 July 6 1956 ABS

69 alarm calls by 33, into tops

74 59 flight calls - good (74) (77)

80 one alarm by 33 (80)

83 59 flight calls
flight calls by 33 here
also 59

90 outside cell, and 33 alarm,
59 flight calls

92 33 alarm 59 flight calls

99 33 alarm, into tops

102 in cell of 273, 274, and
theyre giving flight calls
"274 loud" (109) (110)
273 flight calls
274 (intermix 273, 274)

124 "in w/ 384 and 385"
385 flight calls (131) (132)
384, 385 intermixed

141 more 384, 385

68 A July 6 1986 ABS

143 more 384, 385 intermixed, good flight calls (158)

160 In 305 & 306's cage both birds, good flight calls, mixed

163 305 chitter, flight calls (164.5 -- 305)
305, 306
"305 being aggressive to 306, ... displacement"
175 more 305 calls (176 - 305)

190 slow, single 305 + 306

195 in w/ 298 & 318
298 flight calls - singles
298, then 318 - some

215
217

220 298 good flight calls

3 318 - "chiming in" (one or two calls)

240 306 good flight calls (238.5)

68A July 6 1984 Abs

245 295 - good flight calls

248 298 - good

250 318 - one series

257 318 - flight calls

263 318 - flight calls

264 295 - flight calls

267

270 - flight calls by 298
318 - same

277 July 8, 1984, at apt.
395 & 387 here,

387 flight calls - good

276 one call by 395 ↕ 387

298 another by 395

301 more 387 flight calls

684 July 17, 1986 ABS

317 395 good series
397 good series

---

321 July 17, 1986, ABS
in cell of 33 : 59

327 alarums - by 33, (327)
traps by 33
flight calls by 59, begging
by baby
33 here

350 59 flight calls, and an alarm ← (350)
good begging calls

59 flight calls / begging by baby

59 flight alls

390 I disturbed the birds, and the two
new babies popped out of the nest

chitter by 59
this is 33 — weird begging

68A July 13 1986 ABS

401 this is one of the young babies

417 weird begging chips by young baby

59 fright calls

445 baby - distress calls

450 59 alarm, into trop series

457 33 toots, ↕ 55 toops

473 "59 has stopped but trop series"
33 good fright calls
(occasional 59 toops - weak)

490 59 good fright calls

59 again
"59 and 33"

498 59 chitter, also fright calls
33 begging in back

510 younger baby "see" begging calls and weird chips by young baby

68A — July 13 1986 — ABS

511 young baby – begging calls
single – "hiccup" chirps

550 "59 just fed 33, but she's still giving calls..."

578 begging by old baby
also 59 & 33
"sounds like a real good call-watch"

young baby begging calls –

600 59 now feeding baby – see notes by baby
"quite a bit of food transfer there"
59 now looking @ other baby
begging calls – "jip" sound

~~630~~

END July 15 1986 – ABS

68B3

0 – call of 33, 59

2 59 flight
33 toots
baby begging
} mix, good

60B — July 15 1986 — ABS

21 — now in w/ 40, 06

06 good — 40 poor

then better 40, with more 06

43

385, 384 flight call mix

384 singles rapid series

50 — 385 — good

64 — 273 + 274 mix - good

66 — more 273 → 274

85 — 318 good

318 alarms

318 flight call

94 — 318 alarm

298 flight calls

95 — 318

68B July 15 1986 ABS

114	318 more alarms, some 295 flight calls, 318 flight calls
120	295 good flight calls both birds — 298 good
140	305, 306 — mix, good
	↕ long series
203	in 33, 59's cage 425, 426 loud — older baby
	426 — good, higher chirps
	425, 426 both good begging
227	59 alarm series — good
232	33 one alarm
245	July 23 1986, Redwood N.P., Calif
250	10 mi N of Fbrens, OR on July 23 on a major fly any here ↑ huge numbers of sickins 395 calls an — I thought — I heard Xbill songs / calls — Type 4 ↓

68B July 23 1986 Geal Line Point

261 calls coming from N

---

266 this place is really too windy to set up a net...

272 I think I heard xbill song, I dont see the wind

↑ xbill song ↓

flight song, really low

good buggy song phrase

↑ siskin song, good ↓

two birds just flew over – Type 4

a jun xbill just sat right down in the gravel

etc

"442 pm"
331 387 fright calls, good

song of wild xbill – poor but good, varied song

68 B July 23 1956 Sea Lion Pt.

"battery level low, bird still singing"

wild Type 4 birds calls, from clearing
(I walk back to truck)

394 new batteries
395 windscreen

397 long call series of ?
↓ chipmunk

506 trunk was a chipmunk, as I ~~[illegible]~~ see
some deer

the birds just all flew up

528 July 24 1986, 9½ mi. N. Florence, OR
I hear Xbill song coming from 2-3 diff
places...

533 Type 4 bird flying in - good calls
bird flying over - Type 4 - not stopping

540 song of wild birds - o.k.
long series, varied song

573

Olive-sided
Flycatcher
in back

608 July 24 1984 Station Pt.

575 Calls coming from song tree - Type 4

597 387 - good flight calls

603 "6:42" "I hear a type 2 bird"
"387 is going crazy"
good flight calls

621 the same birds are coming back + flying over

638 flock calls - good

637 "there's a hawk here, and this is bird 395 giving alarm calls ..." also 387 alarms
"it's a sharp-shinned hawk ..."

673

END

69 A July 24 1986 Sea Lion Pt.

0 - wild bird calls, good, type 4,

3 large bunch of crossbills calling, in distance
Type 4's

7 "it 7:30 now, not able to
catch any xbills, I heard type 3's"

14 "an orange ♂, at least 4 birds down"
(chitter in back)

24 "that last juvenile still here",
(calls, good) Type 4 = 431

"all four birds in that small flock
were captured; 2 juv's, a ♂ and a ♀"
428, 429, 430, 431 -

"431 the juv. tape recorded moments ago"

32 "it's 8:39 -- haven't caught any birds
since that flock..."

34 431 - captive, good fl. calls (35)
↓

54 "a flock of crossbills just landed nearby;
some bright red ♂♂ and some begging
juveniles..."
(begging good in back)

69A July 24 1986 Sea Lion Pt

58 about 10 xbills here, 2 red the remainder ♀♀ and juveniles..."

the birds are flying around - one bird in net

the bird is a juv. ♀ = 432

73 it's 8:35, still xbills around

75 430 - good (75) (84) (85)

↓ (91)

98 "bird coming around"

"different bird - Type 3 - (good calls)

"Type 3 is brown-green"

105 "it's 9:01, a xbill coming down..."

108 431 good

↓ (110) (111) (112)

112 "it's 9:11, and I just caught a bird heard in Type 3 (not recorded) = 433" = imm ♀ L

69A July 24 1986 Sea Lion Pt.

116 it's 9:36, (wild birds around)
433 - nothing

123 433 - good (124) (124.5)

139 433 - very loud, good (128) (140)

148 "two type of birds here by the net, gravelling, juvo ♀'s"
nothing

174 'an orang ♂ near net on a stump'

176 "bird took off"

177 433 good (182)+

186 432 - "

196 432 - begging-like flight calls

199 428 good ("429" on tape = wrong) (201)+

213 "just caught a bird → juvenile"
"two birds in the net"

218 428 good (221) (222) (223) (224)

69A July 24 1986 Seacion Pt

227

242 432 - nothing

236 430 - distress calls

244 "Flock of 5 here, I think they're type 3's"
"flying around now" calls in back

255 wild bird flight calls - Type 3 - ♂
then mix, with some calls of that wild ♂

273 "just lot the ♂ in the net... he'll be 436... the rest of the flock is hanging around here..."

281 type 4 male calls, good

285 "birds are mixing around here"

290 "just got that male, he'll be 437"

294 436 good

304 431 - handled - nothing

694 — July 24 1986 — Sea Lion Pt

315 — #32 - good - begging (ad flight calls ?) [no, that's #31 !]
"two birds in net" (320) (320.5) (321) (322) (32

325 — its 12:18 pm, these are test recordings of birds 436 ad 437"

330 — 436 good (336)

338 — 432 ?
436 good

341 — 437 - nothing 436 good
437 (sore)

360 — 436 good (362) (362.5)

364 — 437 - (as wild birds come in)
437 - a single & a double (369)

370 — 437 - 3 good 1 wild bird (372)

374 — 437 good (375.5) (376)

379 — 437 good
wild bird comes in & takes off - calling (369) (394)

394 — "yellow ♂ still here on net wires..." (441)

405 — "caught the yellow ♂ -- will be

694 — July 7th 1986 — Section PT

106 — 429 good (405) (410) (425)

432 — 429 - loud, good (433) (435)

444 — 428 - hooked, nothing

450 — 435 - weak, thin mine

462 — 435 good (470) (453) (454)

490 — 435 good (459)

493 — "3:00, this is 429 hooked" nothing

502 - 439 good (502) (509) (511) (513)

530 — 439 good

539 — 438 - nothing

542 — 440 - nothing

545 — 440 - good (546) (550) (555) (555)

568 — "its 338, just caught a log of w/ a broad patch = 442"

69 A July 21 1986 Sea Lion Pt

575 440 - distress calls

593 "it's 3:53, testing 442"

438 good (606) (609) (619) (624)

632 testing 434 & 442

434 - OK

4 × 3 = 12

5 × 4 = 20

647 442 - nothing

652 442 - singles (2) good

658 442 good (660)

664

END

69B July 24 1986

0 -

2 - 434 OK (2), (7) 442 on side

15 - ↓

18 442 good (2)

20 442 singles

28 bad 442, 434

39 442 good (40) (44) (47) (48) (50)

47 434 OK

435 distress calls (52) (53)

59

69B July 25 1986 Sealion Pt

61 439 - hatched, nothing

65 July 25 1986

70 "it's 7:36, haven't caught any xbills"

73 "fog's lifting, xbills moving"

76 "its 7:44 am"
willd bird - Type 4

84 "8:10, flock of 4 xbills just sat down here..."

94 "just got 2 ~~the birds~~ in the net"
$\boxed{444, 445}$
the two orange ♂♂ got away

103 443 good 103 103.5 105 108 109 110

116 446 (two) 118 119

119 446 good 124 125 129 130

141

143 432 distress 140.5 142

149 "9:32 - just caught a ♂-♀ pair"
"Type 3s", "both R"

69 B — July 25 1986 — Salicon Pt.

152 — it's 10:22, there's a crossbill here, I think Type 3, but an interesting variant..." "was with another juvenile, also a ♂ in net, not sure if associated with the group..."

158 — calls - "that was the wild bird" more than "... sort of low raspy call" =451

"... not calling right now" (162)

164 — "that's it..."

165 — more calls -- "... that's the bird" (mostly other decoys)

(more calls) =451

187 — "the bird's calling now..." (155) (159)

190 — "that's it..."

... that wild one's perched on a tree stump...

197 — ... caught in the net now..."

198 — 445 ?|?

208 — 445 good (205) (207) (210)

216 — 444 good (216) (218) (214) (220)

226 — 445 - good

237 — 447 good (234) (235) (236) (237)

"... wild birds are coming in now..."

69b July 25 1986 Station Pt.

250	436	distress calls (247) (252) (253) 5 or 6 series + 1 alarm in a distress series
251	450	good
272	450	good, rapid
284	433	alarm call (1) (281) (then nothing)
290	433	nothing
299	448	good (300.5) (301) (303) (305)
327	448	good
336	446	- good alarm series. (334) (335) (338)
343	451	good series (346) (352)
369	449	good (365) (367) "a type 3 ♂ just came in..."
	448	good

xbill song in back

69 b July 25 1986 Sea Lion Point

392 "that's the wild ♂, displaying to the ♀ ...."
good song - very rapid series

410 - stopped; weird display on 448's cage

416 "that's him again, still on 448's cage..."

421 "recording now bird 449..."

424 pointed @ wild ♂ & 448
"another wild ♂ just flew over 449 nothing

449 (2) "as wild bird flies in.."

439 449 good (431)

---

447 "this again is that wild ♂ who was display to 448 - now on a tree stump" - (some good song) (bad wind noise)

463 ... just preening now (some more song)
... he's flying away...

468 this is 443 banded - nothing

---

477 444 - alarm (474)

699	July 25 1987	Seal on Pt.
488	450 good alarms	483 484
494	447 good alarms	490 496 497
	447 good alarms	
508	448 - nothing	
	448 - distress calls	514 505000
523	449 distress calls	518 520 522
537	451 good alarm calls	532 533 533 5 536
548	445 good alarm calls, into distress calls	541 542 543

July 27, 1986 - 7:10 am - I dont have a net set up

7:34 am, must be a wild bird coming in
569 841, and a Type 4 bird here somewhere
571 alarm calls of 395 & 387
587 "wild bird here, just flew away - Type 4 bird."

70A — 10 mi E, 2 mi S Mt. Hood, OR — July 28 '86

0 — "testing"

1 July 29, 1986 aba at Sherman Pass, Hwy 30, E of Republic Washington - "crossbills just flew over here"

6 "I hear chitter of xbills right here in the trees above me..."
chitter - "also alarm calls" decays in back
"I see a xbill low in a tree above picnic table"

15 "that bird just came down - an orange ♂"
"more type 4's flying over." some calls

23 "it's 11:20 am on July 29, and I'm near Northport in NE in Washington, and I've found a singing type 4 in a tall tamarack next to the road..."

25 Song - good — of wild bird

36 "that bird just flew..."

38 "that ♂ is on a tall larch -- that's him giving calls
"...into loops there..."
"there's a type 2 bird around here as well"

48 — "it's 11:31 now, decays out of the car, and that's 387 calling..."

70 A

July 27 1986

Sheep Creek
Northport, WA

56 — calls of 387, 395

59 — "wild bird in larch tree now"
"decoy alarm calls"

64 alarm of 395 - good "osprey here"
also 387 - good alarms
(70) · 387

72 11:33 now, I've walked over to
type 2 bird in tree..."
good flight calls of wild bird

387 responding

91 calls get louder
"other type 2 birds are coming in..."

"I've lost that 1st bird

Type 2 calls (wild)

129 "here's that lone wild bird" - good fl. calls
Type 2

"a type 4 bird just joined" - good fl. calls

"lone type 2 bird" - good fl. calls

157 "I hear type 4's coming in again"

166 "type 4 bird above truck" - "in song"

174 "I'm gonna drive outa here"

Sheep Creek
Northport, WA

76 A — July 29 1986

184 "here's a crossbill" type 2 calls good

188

190 start recording @ 1:45 pm now, and I've got a net set up in the same area, and there's some Type 2 xbills here..."

194 1:46, and I see one bird in a bunch and a type 4 bird's flying over..."

type 4 calls - good

202 "here's that Type 4 bird" good calls

"almost got caught"

208 "that type 4 bird flew off"
meanwhile I caught a Type 2 juvenile, = #52

218 2:38, decoys exited

219 2:50 pm, Type 2 xbills just came in

221 good Type 2 calls (wild bird)

263 "it looks like a female"
"it's going down - almost got caught."

269 its 2:54, and a couple of other wild xbills (Type 2's) ... that bunch of 4 still around"

70A July 29 1986 Sheep Creek Northport, WA

270 "it's 301, and I think those wild birds took off..."

275 its 310+, and I hear some calling from over there..."
"there they go, heading N"

281 I hear xbills on 2 sides — type 2's in the lambers and type 2's flying 100 yds N."

285 "one wild ♂ - lone - giving calls"
good calls

295 "three xbills all taking off."
"at least six..."

303 452 good, intermittent

333

334 452 good

352

353 452 good

357 452 - good, loud (357)
"at least 2 birds coming in"
"pointed @ wild birds..." (Type 2's)

360 452 good

376 (376)

383 452 - good, into louder calls as wild birds flyover (384) (388) (389) (390)

70A July 29 1986 Sheep Creek Northport, WA

395 452 handled,
402 brief distress call (402)

406 "it's 5:14 pm, and the wild xbills are starting to move alittle bit..." "mainly Type 2 birds around here..."

411 "it's 5:49 now, 3 type 2 xbills here now in Douglas Fir"

418 "maybe that whole flock took off."

420 about 7:00, xbills continue to fly over - both Type 2's & Type 4's

July 30, 1986 5:28 am, still near Northport

431-

434 its 6:00, and there's a Type 2 bird right here..."
good calls

457 "there goes that bird

460 "its 6:48 -- have not caught any xbills, but lot's of Type 2 & Type 4 birds around" (461) (463) (464) (465) (466)

465 alarms, toops, and fly calls of [illegible] (467) (469)

479 "another bird here", - calls very good (Type 2)
"this bird's coming down" chitter-good (482) (483) (484)

70A July 30 Sheep Creek, WA

(496)

493 "its about 15 ft up..."
good calls ~~495~~ 496
"there's another one here..."

507 "that 1st bird, who was recorded, has been captured..."

512 "the bird captured = 453"

516 "type 4 bird" - good calls,

529

558

567 (some toops)

"joined by another Type 4, 2 more..."

573 "a bird has just been captured, I think a Type 2..."
another bird around here I think is Type 4... the bird just caught is a juvenile ♀."

"3 birds in the net now"

589 453 (?) nothing

it's 7:17, and I've got 5 birds so far, one in the net - makes 6 - all juveniles... meanwhile a type 4 bird calling..." bird = 460

637 653 606 good calls - type 4 into song-like phrases
wild bird
654 657 660 "louder now"

70 A July 30 1986 Sheep Creek, Wi

671 "a type 2 juvenile has just come in and joined that Type 4 juvenile just recorded..." "birds are coming down now"

END

0 – "those 2 birds came down, I rushed them, caught the type 2 bird ..."

2 "pointed @ that type 4 juvenile..."

5 "caught that type 4 juvenile..."

6 "that juvenile type 4 who was recorded on the last part of 70A will be bird 460, and this is it in the hand."

10 nothing

15 it's 8:30 now, xbills still around, captured an adult ♂, looks like a Type 4..." not seen precapture, will be 461

21 testing 458 – nothing

24 10:46 am, "testing 454 – 59, and 461"

26 456 nothing

27 one

30 456 good (30) (32) (32.5) (36.5)

34 457 good

38 456 good singles (639)

70B July 30 1986 Sharp Creek WA

41 457 (?)

42 457 good (43) (45) (45.5) (47)

48 456 good, loud "wild Type 4 birds coming in..." (49)

54 "it's 10:54, still a wild Type 4 bird around"
458 nothing

59 "pointed by the wild bird"
"alarm calls by 395, 387..."
"song + calls of wild bird...
fair song by wild bird (Type 4)
"looks like a juvenile, coming down..."
more good calls of wild bird

80 "on the cages, I could easily get a shot at him..."
more ob. calls
"wild bird"
"there's a large flock of Type 2's around getting 387 excited..."

94 458 good (94) (96) (103) (107) (108)

111 457 - handled
good alarm calls... (109.5) (110) (113) (113.5)

70 B July 30 1986 Sheep Creek, WA

115 455 (?)

119 455 - (2)

121 455 (?)

129 456 - handled, nothing

136 455 - (1) nothing

138 454 good

147 454 - weak

150 455 ~~good~~ loud "as wild Type 2 birds fly over..."
151
153 54

155 455 good 155.5

159 458 distress 159

164 455 nothing
166 455 (2), then 3 164 ~~then~~ 3

172 455 distress, long series * 172 173

183 454 - singles

189 454 good 188 192

205 "flock of Type 4 birds just flew over"
"no response by 461"

209 454 good

70B July 30 1986 Sheep Creek, WA

229	459	nothing
235	459 (1)	235
237	459 (1)	
241	454	a few
247	459 (1)	
252	454	good 256 257 258
262	459 (2)	260
267	459 (3)	265 266
271	454	alarm/distress, then nothing
281	439 (2)	279
285	459	singles, then food 286
293	459	handled - distress 293
302	461	good, loud 302 312
329	"a wild Type 4 bird here, could be an adult male"	
334	461	- one loud
338	461	3, loud singles

70B July 30 1986 Sheep Creek, UA

345 red squirrel vocalizations
↓ good series

362 it's about 5:00, 364 just got
real excited...

367 461 good, rapid series (365) (365.5) 366

384 461 good 395 in back
387 ↓

396 "wild birds coming in... sound like
Type 2's - a flock here
... could be as many as 10 birds

461 good, rapid series

418 "wild bird" - good flight calls (415) (419) (425) (426)
into alternate (2) (415.5)
431 - -

435 "the bird's still here, not coming down"
more good calls (436)
↓
"still up in a larch now foraging"
"that bird was collected, it will be 462"

449 it's late in the evening, about 8:00, and
there's a Type 2 bird coming in and a Type
4 bird down here..."

70 B July 30 1986 Sheep Co. Wa.

465 Type 4 ♀ calling here - good
"also there is 461 ..."

478 she's almost on top of the
Cages...."

"here come's a Type 2"
"now the two are together in a larch"
"they're gone"

504

510 July 31 1986

"I've been doing some fieldwork this
morning and forgot to turn the microphone
on... so far captured a Type 2
juvenile and a type 4 juvenile and
collected a pair of Type 2 adults...,
thought I was recording the ♀,
shot here and then realized I didn't
have the microphone on, and then
the ♂ was captured in a net..."
The juv 2 = 463, type 4 = 464
pair = 465, 466 - 466 = ♂

528 it's 9:28 now, and I've captured a
juv. ♀ xbill, who I may release..
there's another type 2 here, and I may
tape-record it..."

70 B July 31 1986 Sheep Creek, WA

543 alarm calls of wild bird - good (538) (547)

"467? - no?

"bird just got caught..."

555 "it's 10:39, and there's a type 2 juvenile here..." - good calls = 468

alarm call (555) - good, then more flight (562) (563) (5

"that bird just flew across the top of the netsite" (577)

581 "wild Type 2 juvenile" = 468 - good fl. calls

591 464 good (585) (592) (594) (604)

610 "that wild Type 2 bird just got caught..."

611 464 good doubles (614)

633

634 464 handled, nothing

647 463 good, then loud. (649.5) (650) (651)

685

END

71 A July 31, 1986 Sheep Creek, WA

0 - "it's 11:22"
463 good, rapid

5 -

8 466 nothing

11 466 good, loud (long series) (12.5) (13) (13.5) (17)

34 467 nothing

39 467 weak

42 467 nothing

47 467 (1)

49 467 (3)
then good singles

57 467 some singles

65 467 good

70 467 nothing

72 467 singles

92 468 - singles, then good (93.5) (96) (99) (94.5)

71A July 31 1986 Sheep Creek, WA

102 467 good (104) (105.5) (107) (110)

"there's a wild x6ill here"

467 good

108 "bird is ♂, type 2"

---

112 "wild bird" good flight calls (114) (115) (118) (120)

= "that bird has been collected, = 469

124

466 - banded - distress series (125)

---

130 467 handled - nothing

---

137 August 2, 1986 10 mi s. Clark Fork, ID

139 6:20 am, "wild Type 2" - "a pair"

some weak calls

---

150 "that ♂ again" weak Type 2 calls

159 "both birds there"

good | calls

180 "female just flew..."

"now just the ♂ - (good calls)"

190 "those 2 birds took off"

714 Aug 2 1986 Snow Peak Clark Fork ID

191 "6:58 ... there's a lone bird here"
| good fl. calls
↓ 205 206 207 221 237

243 "that bird has been collected...
be bird #270"

245 alarm series - long, good

260

260 "that last cut was a series of alarm calls by 345 on Aug 3 1986 somewhere in Idaho..."

263 Aug 4 1986 Sawtooth Mts

5:42 am .. "I think there are some Type 2 xbills here..."

269 "lot of xbills around"

calls 272.5 273 274

272 "wild bird" - good calls.

275 "collected that bird, it's a juvenile

277 "wild bird" good calls

286 "here's another wild bird..." 285 287 286 288
good.

71 A Aug 2 1996 Gaitooth, ID

289 "just collected that bird... he'll be #472"

291 "still a wild bird here..."

387 good
chitter by wild bird, then bird takes off

310 "there's a wild bird coming in..."
"I think a ♂ with her..."

314 "that was a ♂-♀ pair of juveniles...
473 = ♀, 474 = ♂..."

317 "flock of about 10 birds here, all Type 2's..."
"circling" "now all sitting in tree right above me..."

325 "sounds like Type 5 birds coming in...
it's 8:08 am"
"pointed @ Type 5..."
(some calls?)
"I don't know if they're all Type 5's..."
good calls here

353 good calls (Type 5 wild bird)

"they took off"

361 "Type 5 birds' come back"
"took off now..."

71 A Aug 4 1986 Sawtooth ID

366 "Type 5 flying over"
"two type 5 birds..."

371 "Type 5 birds up in this lodgepole, but I don't see 'em..."

calling (?)
407 "there they goo'

409 "they may be coming back..."

412 "this is a lone adult ♀."
good fl. calls

424 "it's 8:38, there's a bird here which I think is that same ad. ♀"
good calls 430 431 432 433 435

448 "that bird has been collected
she's an ad ♀ = 478 = JGG 370"

452 "it's 10:27 am, and there are some Type 5 birds around..."

"two type 2 birds.."

458 476 (1)

468 one loop of 479 → 467

71A Aug 1 1986 Sawtooth, ID

473	nothing		
477	476 (2), then 1		
482	476 (2)	483	
491	476	good	479 1 on side
497	479	good	492 493 498 499 500 506
504	476	good	
514	479 (1), then (1)		
521	473	good	525
529	474 (1)		
532	473	singles, into good	534 535 536 537
546	473	singles	
554	476	handled, nothing	
563	479	handled, nothing	
571	473	handled, ~~nobbs~~ into distress calls	579 581
585	474	good singles, doubles	588 589 590 592 595
617	474	(1) 622	
625	474	alarm calls - (3)	626 630 629

71 A Aug 4 1986 Sawtooth, ID

643 475 good (644) (646) (647) (647.5)

660 475 - good (661)

669 475 - alarm, into distress (670.5)

END 71B

0

2 477 good (2) (3) (6) (8)

16 477 - handled, nothing

19 Aug 5 1986 5:35 am

"first xbills of the morning are flying over..."

25 " 5:53 am, at there's a group of birds here, Type 2's..."

weak calls of wild bird

33 wild bird - good calls (32) (33) (33.5) (34)

"that bird has been collected.., it's a juvenile & as she'll be 400

40 wild bird - good calls

"that bird took off..."

71B Aug 5 1986 Sandpoint, ID

47 "there's two birds here, one in net, the other still wild; here it is:"
some good calls (46.5) (49.5)

53 "I have shot that bird, & it's wounded, underneath tree giving alarm calls"..

56 one flight call (55)
alarm (57) flight (57.5), flight (57), ... flight (63)
flight (65.5) ..... flight (70)

75 distress series (poor), then good (76) sequence

---

81 "that bird will be #482..."

---

82 "it's 7:05, just heard a Type 4 bird..."
looks like a flock of Type 4's, & I've got a net full of Xbills here..."

90 "about 10-12 birds in net..."

100 calls of Type 4 birds - good
also type 2 calls

113 "there they go.... -- mostly 2's"

---

114 nine goshawks in the camp,
(nothing) yet
"goshawk here sitting on net wire..."

---

123 484 good (128) (132)

red squirrel calls ↑ ↓

71 B

~~Aug~~ Aug 5 1986

Sawtooth, ID

135	484	good	(136)
	485	1 good then a few good	(440) (441)
148	~~485~~	good	(149)
155	485	good	
158	481	nothing	
161	485	good	
166	486	nothing	(167) (168)
	485	some good	
169	481	good	
174	486	good	(176) (178) (181) (181.5)
183	481	some good	
191	486	good	
196	481	(1), then (1)	(198)
200	483	good	(199.5)
202	481	good	(202) (202.5) (203)
~~209~~			
214	two calls of ?		

71 B Aug 5 1986 Sawtooth, ID

221 – one call
two calls
?

230 485 distress (230) – long series

236 484 good

240 481 handled, nothing

244 483 good (243.5) (244) (245) (246) (247)

258 483 handled - 3 alarms (257) (259)

261 Aug 6 1986 "near Galena pass"

"lone bird ..." flew over netsite - a ? (264) (265) (2
good call - distant, loud (267)

273

274 "that bird was been collected, she'll be #487."

277 "it's 5:50 now, & there are 2 birds here, one is sitting & calling..."

282 good calls
"there they go..."
"just two birds"

291 "5:58, here's that same wild bird"
good call

71B Aug 6 1996 Sawtooth ID

299 I just did a playback & got the bird closer... and I'm trying to record again

"two birds close together in a treetop..."

[both give good calls...]

"other wild birds approach there they go, flying, 4 birds now circling..."

"now they're in the approach tree..."

319 "one has been captured, a ♂"

"trying to record the birds..."

"here's one of the birds" good calls

"here come's the 4th"

loud calls "here's a flock of about 10 type 2's... about 15 in a huge flock

351 "the two birds captured will be 488 - ♂, 489 = imm ♀

354 "three type 2 birds are flying over..."

71 B Aug 6 1996 Santeetlh, ID

"there are about 20 birds here altogether"

367 "a pair of type 5's here, both grey..."
chitter

372 "one of the birds has been captured, a sexed type 2-like..."

375 "caught both of the birds"

378 488 nothing

383 488 - 2 good, then weak

390 488 good

395 488 good (394) (394.5) (395) (397) (400.5)

404 "8:11 am now, some xbills foraging in trees around camp..."

416 "4 birds in net..."

419 "releasing birds in net..."

424 releasing one (a type 2)

428 "there is an ad. ♂ here who's yellow and calling from approach tree..."

436 good caller (434) (437) (438.5) (439) (440)

440 good caller
"he's going down"

445

448 "that bird has been collected, he'll be bird 492..."

718 Aug 6 1986 Sawtooth, ID

453	nothing		
462	489	some good	(468)
471	489 – 1, then good	(473)	(474.5)
478	489	nothing	
482	491 – one, then one		
488	491	nothing	
493	491	good	
501	491	some o.k.	
509			
511	490	good	(511) (512) (512.5) (515)
524			
527	493 – (1), then good		
538	490	distress	(536) 50-8000 (537.5)
542	493	good	(541.5)
554	491	good	(555) (557) (558) (560) (571)
584	493	distress	(583) (584)
593	491	handled, nothing	
610	490	handled,	

71 B Aug 6 1986 Sawtooth, ID

619 "12:25, ad there are some Type 5 birds around..."
"greeting song by 395"
"that's it's call there..."

656 "wild bird" – good calls (653) (657) (657.5) (658)
"bird's flying around now..."
"it's a lone bird"

672 one call (667)

676 "that bird has been collected, she'll be #491..."

END

72A Aug 7 1986 @ 11:10 am

0 – "Aug 8 middle of Oregon, Ive been camping out w there's some crossbill – might be a xbill here"

3 Aug 9 1986, back N of Florence, Oregon. its 6:44 am., no sign of any crossbills here, very foggy – few siskins – were xbills last night..."

7 its 7:10 am, I did hear a pair of Type 4 xbills going over – one giving very rapid calls – also a Type 4 ♂

72A Aug 9 1986 Sea Lion, OR

12 "Honeyman St. Park, Oregon, Aug 9
Dunes parking lot, and I hear toops
of a wild xbill ..."

"a little way from the parking lot, and
I hear Type 4 xbills"

17 In the dunes area... hear calls of Type 4
birds – (some distant flight calls)

23 on the dunes, I hear type 4 bird's flying
over (good calls)

28 "again @ Honeyman" type 4 calls, into
Song phrases.... (distant, weak)

34 "back @ camp..., lots of xbills around..."

40 its 12:45, an imm bald eagle
flew over...

45. "Aug 10, 1986, in St. Forest somewhere
S of Coos Bay, Oregon, Clear-cut
area surrounded by some medium-sized
sitka spruces – been here ½ hr, no xbills..."

TL A Aug 11, 1986 Cascade Pass, OR

51 Aug 11 1986 - "E of Cascade Pass in OR
I'm camped in middle of clearcut near Hwy 13
an there's a wild x bill here, got attracted
into camp by decoys - "oh, 2 birds,"
Type 2's..."

61 "other birds coming around"
loud calls of decoys 387 & 395

69 "6:30 now, got the decoys near some small
trees... (calls of decoys)
wild birds - Type 2's
good (fair) wild calls

395
387

73 6:37 .. thought I heard some birds coming in
75 2 birds near lodge

77 6:41 ... more wild birds
"really high pitched one (good wild)
pitched
... it's a red ♂ (good calls)

85 6:43
good calls of ♂

86 6:43 ... more wild birds... different birds
93 adult ♂-♀ pair here
wild birds, down to decoys
"actually, this ♀ is a juvenile ... she's not calli

Aug 11

"another wild bird , , more wild birds coming in 647 now

the ♂ is mottled yellow/red

110 wild birds' calls'

"male" - o.k. type 2 calls (110)

114 "now pointed @ the ♀"

"female" - o.k.

118 "now @ ♂" (116.5) (117)

[3 calls - o.k.] type 2

"collected the ♂ of that pair..."

"the ♀ is in a tree somewhere looping"

"more wild birds are coming in"

129 6.5* wild birds are coming in, including some type 5's

395 has been responding

the birds all look like juv's or maybe ♀'s

142 wild lone bird coming in - over (good Type 2)

143 trying to get type 5 bird -- foraging here

(good type 5 flock going over)

72A

150 — good type 5 calls — (?)

151 those type 5's just took off...
all juv's as far as I could see...

160 lone type 2 bird — calls

164.5 lone type 5 bird — calls or only about 1 calls
"greeting song by 345"

167 "bird has been collected — she'll be juv. ♀
494, J66 394"

170 "7:59", there's another wild bird around
very good calls (?)
actually 2 wild type 5's around
type 5 song -- I see the bird in a flock of other birds

"the type 5's are here calls
ad ♀, ad ♂, some juveniles (?)
the ad ♂ is actually an immature
I do see an ad ♀ here attracted
to 345 -- greeting songs to
one another"

"the flock of 5 type 5's just took 34
off"

72A

Aug 11, 1968

Cascade Pass, OR

700 bird

an ad ♂ type 2 here

395 - loud

he's with a ♀ who flew to a different tree

there he goes -- (good fl. calls)

218

219 It's 5:46 -- big flock flying over, including some Type 5's and some type 2's..."

flock of 4 type 5 here now, one a red, the other brown

one might be a type 2

230
234 395 good

"wild bird" and 395 - good

a 9:10 -- moved to a diff. locality -- wierd-sounding crossbills here

those wierd birds, also a typical type 2 wierd birds - good

7A Aug 11, 1986 Cascade Pass, OR

272 testing 1-2

just captured a bird here, an ad. ♀ w/a brood patch bird 497

280 a wild bird calls - wild ♂ - ok

300 chitter-like calls
calls from tree top
it's a type 5 - poor - ok. calls

328 more calls of wild type 5 ♂
rapid - poor

333 more distant calls - ok.

337 good calls of bird

343 11:03 am, and there's a wild type 2 ♂ here who's in song..."
good calls "there he goes"

347 "testing bird 497"
nothing

357 song of bird 395 - good 356 357
long, slow series, but good

420
450 [getting very soft]

72A

Aug 11, 1986

Cascade Pass, OR

451 395 again, long song

496 "wild bird's flying over
not much response by decoys

509 497 - ok., then lost

530 497 good, loud 536 544 545 546

549 497 good 559

562 497 good

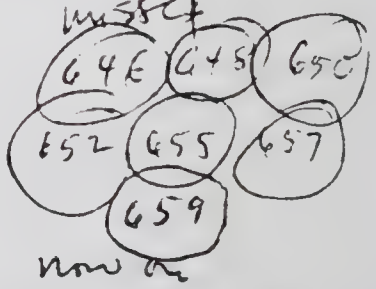
570 497 - distress 569 80-8000

597 497 - nothing

619 497 distress 614 80-8000

625 "wild bird here" - good/ok calls
type 2

645 3:10 pm - wild bird here, it could be the ♂ I missed before
- [extremely high-pitch!]
looks like a juv ♂, now on cages of 395 & 397, not vocalizing



646 648 650 652 655 657 659

72A Aug 11, 1986 Cascade Pass

that
on the ground in the shade,
"he'll be #498"

72B

0 it's 6:55 pm, and I've changed campsites, and I'm now in aldepole savanna, and a type 2 bird just flew over

its 703 now, and some wild crossbills flying over.

9 "pointed @ 395" (8) 50-5000 - song phrase

"here's wild bird" - s

the wild ♂'s ing ong (13) 80-5000 (14) 80-5000 (14.5) 80-5000 (16) 80-5000

ok song - wind buzzy phrases - distant

25 "calls of the wild ♀" (25) (26)
↳ 499

"wild bird - I don't know which one"
ok calls

34 one of the birds just came down and is perched on the net wire (43) (43.5) (44)

37 "other wild bird is still here calling 500
wild bird" - that birds
those two birds have just been captured - Type 5's, and they'll be 499, 500"
and there are type 2 xbills around here also

72 B

Aug 12, 1986 Cascade Pass

50 Aug 72 early in morning, and a type 2 male here in song

53 good song of Type 2 male

76 flight calls, and he's approaching the net area

the bird approached free net and took off, and now he's a long way away.

84 "type 2's coming in..."

620 am wild Type 2 coming in

B a wild bird here, tree near trunk

93 that was him - (good calls)

98 I made a run for that bird bird + missed him.

testing 499.

499 good, a

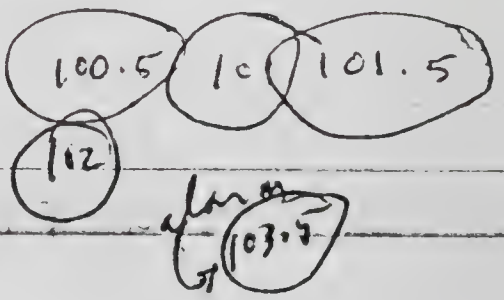
buzz saws

100.5 101 101.5

102

104 499 again (1)

alarm 103.5



72 B Aug 12 1986 Cascade Pass

young juvenile here, I don't know what call type

115 499 - one

just rushed that juvenile + missed him ... it's a Type 5 bird and he's coming back"

"recording the bird - "wild" - several ok calls. 501?

"he's caught"

119.5 120

captured a full ad. - bird 502

"maybe a local nester"

also another red bird in top of tall tree

wild bird

bird's not calling very much, but that's him

Type 2 there - another greenish bird w/ him

that bird's calling now, ready to take off

♂ has come down

♂ - ♀ pair - low in a small pine tree

wild bird - good fl. calls - ♂ here

those two birds took off

I've been walking on Rd near campsite

happened to hear birds

160 501 good

163 164 160-16000

164 80-8000 166 172

174 177 182

184 728 am "deep-voiced wild bird" - Type 2

it flies off - calling

197 195 199

194 8:40 - wild bird here

- it's an adult ♂ - type 2 - excellent calls?

503 just flying around low ... some ok calls

just collected "he'll be bird #503"

72 B Aug 12 1986 Cascade Pass

20 "big toop session here somewhere - Type 2 birds all up in tractops"
[weak calls (toops)]

226 good toops of wild birds
then fl. calls as they fly
"male female pair"

231 "flock took off" type 2's ↑ ok calls

"sounds like adults feeding young"

weird calls, repetitions, ↑
and also begging babies
being fed

right next to a bird - barely - fledged
wierd repetitious type 2 calls good - big-adult" calls type 5?

262
263 wild bird here now: 10:09 am
actually a pair "one bounced out of net"
flight calls of birds - good
"she flew off"

272 502 good 271 274 275

280 it's 10:11 am, and this is a bird
perched in the trees above the netsite

285 wild bird, good type 2
actually there's more than one here,
that's the ♂ calling there (good)

72 B — Aug 12 1966 — Cascade Pass

293 "that's the f" good calls type 2

301 I've attracted a bunch of birds, juveniles, above me

303 307 good

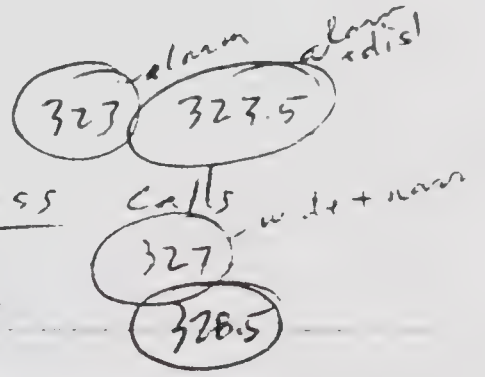
305 501 nothing

315 "there's an adult in camp here, type 2"
good fl. calls (about 7)

324 those birds took off

325 499 some alarm + distress calls

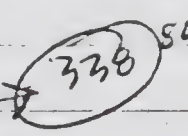
329 499 good alarm series



332 497 nothing

335 500 nothing

340 one distress



341 "it's 5:55 pm, wild xbill here Aug 12"
"pointed @ wild bird" [? chitter]

363 395 song - good - wierd
into fl. calls

393 387 + 395 - loud good
good fl. calls as wild birds fly in

399 "flock of 5 -- sitting in tree now"

72B

Aug 12 1986

400 ↕ nothing - poor calls .. distance

412

417 "here's that ♀" - o.k. singlers

---

439 that ♀ who was calling is hanging in the net

the type 5's took off

meanwhile 4 type 7's surrounding the net

395 good

two birds here, a gray bird + a red bird

that's the ad ♂,

both birds calls

---

469 one of the other birds came down, looking @ 395's cage

484 "that's it's calls"

---

488 7:51 - xbill near net, not sure of social circumstances

"wild birds around"

498 wierd call/song of wild bird!

T2B Aug 12 1986 Cascade Locks, OR

more wind chatter

560 8:03 now, a pair of birds just came in - not sure of call type - I think type 5's

569 I hear birds now - Type 2's
weak calls of wild birds

its 8:11 pm - pair going down - don't see them - just silouette

♀'s calling -- that high pitch

595 both birds calling - good match must be a ♀
"♀ taking lead in this calling"
louder, "there they go"
[now perched in camp]

---

610 Aug. 13, 1986 @ 6:12 am, and there's been some birds flying over here unusual call type

387's really excited

620 it's a type 2 bird
pointed @ wild bird - 2 or 2 calls

630 it's still here (387 there) - nothing
that bird just took off, but nearby

72B Aug 13 1986 Cascade Pass

648 flock calls - type 2's - they take off

651

END 72B

73A Aug 13 1983 -? = 1986 6:38 am

0- "wild bird coming in" (Type 2 calls)

"may be that same pair, as last night"

4. "I don't see pair" type 2's

8 the ♂, he's coming down - chitter - good - [illegible]

Type 5 calls in back

11 13 [illegible] good chitter

12 make chitter on approach bird 506

"flock of 3 others have flown in"

24 good Type 5 calls "captured that ♂, I dont know what happened to ♀" "make in net" 504?

27

"those 3 are coming down"

"I think I see that ♀" Type 5 + Type 2 calls

39 "3 birds in net, 3 free"

♀ of pair, no not her (may just been captured)

2 still free, 4 captured

"trying to get series from one female

13A

Aug 13 1986

Cascade Pass, OR

"this is the other female" (50)

52 "both of those birds are calling now"

"wild" (Type 2)

56 "here comes that other female"

66 here's one of the females"

the other is the one I want

recording that female (some Type 2 calls) bird 507

79 didn't get here, here she comes again (77) (80) (81)

"wild bird" (Type 2 calls singles of mated female)

"got her" – ♂ ♀

mated pair = 506 + 507,

89 "7:38, I think some Type 5 birds coming in"

"7:42, no sign of Type 5's"

96 "some Type 2 birds coming in, 7:54 am"

good calls (Type 2)

113 "it's a ♂, he's coming down"

73A Aug 13 1986 Cascade Pass, OR

122 begging juv. calls - good - type 5

130 louder, good begging calls
↓

140 "with a type 5 ♀ - printed @ both birds"
(some adult flight calls)

150 "I could not collect these birds"

154 "releasing one ad ♂"

156 "one bird that just flew in" (type 2)
"just took off" - good calls

141 "a wild, mature ♂," (type 2) good calls

173 508 good flight calls (173.5) (174)
(176) (179) (179.5)

183 509 good flight calls (few) — (184)
"510 there"

188 508 good flight calls (155)

196 510 good fl calls (196) (198) (198.5)
"two wild birds here" (199) (200) (202)

208 395 - good fl calls
"the two wild birds are type 2's"

73A Aug 13 1986 Cascade Pass

214 509 - ok calls - few

216 509 good flight calls (few) 217 218 221.5 223

230 "a wild immature ♂ here, calling" (good calls) - type 2

241 "something near camp w/ odd call type" calls - [is this a chipmunk?]

254 510 good alarm series 253.5 254 254.5 255

257 it's 12:02 pm Aug 13, I think there's a type 5 adult feeding a "juvenile around here"

263 Sept 9, 1986 ABS, 8:30 am recording 59, 426, 33

Sept 20 1986, 9:40 am

269 "bird 40" - chippy sounds, alarm calls 273 273.5

281 Sept 20, at home, 6 pm, recording 425 with 387 & 395

387 good

286 425 good + 387 287 291 293

304

73A Sept 20 1986 home

305 425 good - with 387 + 395 (308)

---

313 Sept 22, at home, with 425, 387, 395

317 425 good (responses by 387, 395)

↓

---

353 moved 425 to railing of porch

↓ not much

402 4

409 425 good calls, plus "breee" call

424 425 - song phrase

444

447 - "breee", then nothing

467 - some good calls - 425 -

↓

503 ↓

518 ↓

555 ↓

569 ↓ ← loud here, in resp. to house finches (562)

---

582 425 loud calls (flight) (583.5) (557)

73 A Sept 23 1986 home

610 bird 425 - single call notes

Sept 23 ABS

624 "33 and 59"

629 "peep" by "33", also "tree", and "zee" notes
then flight calls of 33
and 59 flight calls - response 643 654.5

666
670 both birds food

73 B Oct 11 1986 ABS, 10:30 am
cool, foggy morning

3- "call of birds 33 and 59, no nesting"
chitter by 59
6 chitter by 33 "more pure tone"

18 "in call of 40 and 06, chitter of one of the birds"

24 "in call of 318 and 295"
flight calls of 318

32 318 alarm call 33.5
35 318 alarm call good 35.5
39 318 flight, then alarm calls (2) 41 43
40
45 318 good flight calls (in flight) 45 45.5

73B Oct 11 1986 ABS

52 298 - call (fright)

54 alarm series (3) then ~~fight~~ threat calls by 315"

~~53~~ 53.5 54 54.5

66 318 some flight calls (in flight)

70 in cell of 305 and 306

305 - "peep" calls

Oct 12 1986 at home

81 its 8:30 am; bird 425 is singing sought

83 - 425 - good song - background noise

96 - 425 song, into calls 96

98 - song resumes, a trill, then varied song

112 - some loud flight calls - typ 2 113

115 -

117 - good typ 1 trill 117 50-8000

125 - 425 - "breeze" series - 125 50-8000 128 500-8000

150 - then into varied song

164 - 395 - flight calls - etc.

167 Oct 13 1987, 1022 am, bird 425 singing

73B Oct 14 1986 CBS

Oct 14 1986 - my apt.

181 bird 425 - song

189 a typed trill, into less song (188) 50-5000

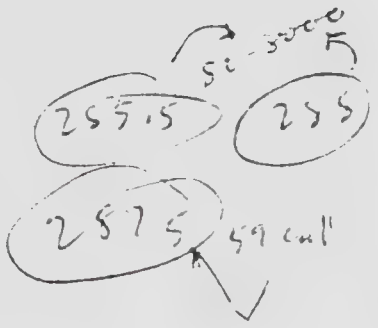
209 125 good calls - fight

2811 Oct 21 ABS - 10:08 am

33' "psleep" - 2

also 59 fight calls

(255.5) (255) 50-5000



(257.5) 59 call

"breeze" by 33 (296) 50-5000

297

301 psleep

---

355 355 good (353) (354) 355 31

also 354 → (364) — (364.5) — (365.5)

(369.5) = 355

73B Oct 25 1986 11 am ABS

386 psleeps by 33

---

393 "315 and 258"

403 385 - good series

738 Oct 25 1986 ABS

418 59 flight calls (415.5) (419) (419.5)

423 06 taps

432 385 good flight calls

Oct 25 1986 7:49 am

442 318 good flight calls (4/215) (442)

457 318 good, loud flight call

305 354 - good, loud flight calls (466)

475 355 - good, loud flight calls

484 not song phrases

Nov 1 1986 - ABS

497 385 - good song

Nov 4 1986 ABS

(533) (536)

535 33 good flight calls, also some 59
(sounds like call-matching)

---

544 318 - good flight calls (542) (543) (545)
(some weaker 298). (546)

73B Nov 4 1986 ABS

561 425 - calls - ok

580 395 - some o.k. flight calls (Type 5) 575 = 39 577

590 387 and 395 → mostly and 425 598 = 425

607 Nov 8 1986 - ABS - 10:00 am

cell of 305 + 306

alarm calls - few poor, weak of 305

620 alarm of 318 in next cell - nothing

629 cell of 318, 298

both birds good flight calls 631 633.5 637

74A Dec. 13, 1986, near Arcata
7:40 am looking for oriental greenfinch
w/ 425 as decoy

6 -

9 - 425 good flight calls 9.5 10 11 13 15 16 17

Dec 24 1986 San Bernardino Nat F

w/ 425

37 - cassins' Finch call

744 Dec 24 1986 San Bernardino

43 425 - weird alarm, into house finch imitation

49 425 - good, loud ~~flight~~ calls (49) (50) (51) (52)

57 - - → house finch imitation (poor) (57)

66 more flight calls

71 425 - one alarm (74)

more flight calls, (78)

55 into song, then more calls

Dec 24 1986 - oceanside

95 425 - song - loud, varied

98 w/ mpl trill (99) 80-8000

105 - house finch imitations (series, in song) (106) (106.5)

110 trill, then continued varied song (raspy, not repetitious)

142 house-finch-like calls (143) (144) (144.5)

159 more house finch-like calls

162 ↓ good series, loud Rec.
425 - good varied song, w/several house finch calls

74A Dec 29 1986 Oceanside, CA

205 "Dec 29, 1986"

210 425 - one good house finch call (211)
several "freee" calls

225 425 good house finch call (227)

239 425 good flight call (239) near tesla starting Feb 16, 1989

250 425 more good flight calls (252)

260 425 good house finch series, into song, (262) (265)
with trills

287 425 - another good house finch series (286.5) (287) (287.5) (288)

313 425 a couple more finch calls, then more
varied song

321 more finch calls

330 more finch calls

334 more finch calls, also regular flight (338)

ABS - releasing 425 into cell of 06

366 425 - breee's - good

387 425 - finch imitation

400 more finch calls by 425

74A

some sort of courtship feeding motions by 06,
425 responds well

Feb 15 1987 @ Sagchen Creek
net w/ 425 as decoy - earlier several Type 2
crossbills were heard flying over

436 - large flock of crossbills - 25 birds
(good calls) → Type 2 - some toops (438) (439)

448 - good calls - "about 30 birds" (447) (448) (445) (449) (449.5)

453 - flock of 10, 15 merging together

Feb 16 1987 Sagchen 7:28 am
w/ 425 in song as decoy

463 - 425 good song

482 Feb 16 - "flock of Type 5 xbills here, one in song near creek"

485 ↓ good song (weak)

499 birds have been around awhile
weak Type 5 calls (504.5)

"10:30 now, some wild type 2 birds"
"wild birds are flocking down"
"two females in net"

7fA Feb 16 1957 Sagehen

540 "birds 511 and 512 in cage now"

549 good calls of ?
"there they go"

558 good calls of 512 (584)
↓

587 "one of the males just took off" (582) (582.5) (584) (585.5) (586)
"two coming down"

549 just pushed two off's

603 got the brightest male, he'll be 513

609 wild bird song
↓

619 the two crossbills just joined a flock of 3
(good calls – "they're gone"

639 releasing 511 – "not much"

644 releasing 512 – "just chitter"

649 releasing 513 – good squawks, alarms (650)

661 – just chitter

665 – bird 513 after release, going to trees (669)

74B March 5 1987 ABS ~~Sapphire~~

0 "cell of 273 and 274"
"273 in song"

(3) @ 80-8000

4 - 273 - song (poor) (6.5) - flight call 160-16000 (7)

8 - 274 flight calls - ok

17 59 - (?)

20 alarm calls of 318 - good
long series (26) (28) (29) (31)

33 318 - chitter (33) (33.5) (35)

38

58 06 good flight calls (59) (60)

62 59 good flight calls (64) (64.5) (65) (66) (66.5) (67)
(67.5) (68.5) (72)

77
78 273 in cell not much

117 305 - song

April 16 1987 - ABS
3:30 pm

160 33 tooping - off nets - 06 in next cell tooping
(161.5)

74B April 16 1987 ABS

205 - call of 33 and 54, sounds like babies have hatched

207 @ nest

209 baby peeping sounds - ok - weak ... adults in back - weak

220 "33 just got off the nest" 33 221

33 toop-like

"still pointed directly @ nest" (babies quiet)

230 pointed @ nest again, 33's still tooping peeps 236 237

237 "33's now on the nest" babies peep ↓ bad airplane noise in back

249 33 flight calls - good 249.5 253 257 256 273

"just flew down to water"

756 273 good flight calls

260 April 22 1987 ABS 9:27 am

265 "33's sitting on nest"

"birds are quite vocal in the other cells"

268 @ 315 + 298 - no vocalizations

271 @ 305 + 306 - nothing

276 @ 387 + 395

- 395 - ok flight calls

748	April 22 1987	4 BS
282	395 good flight calls	283 284
	plus 387 or few 299	293 296 297.5
309	"song of bird 318"	310 395 or 318
	"that's been 318 in flight there"	
314	good flight calls of 306	306 306 both
	"both birds?"	313 314 316
320	305 and 306 - good flight calls	305 305 305
	(simultaneous, mainly 305)	321 322 324
332	"test, test"	
333	@ 273 and 274	337
	273 good flight calls	
	"was 274"	
	"both birds" - hard to sort	
349	59 good flight calls	349 349.5 361
	"33 is on nest"	
	"59 flying around"	
365	33 good toops	59 fl. 367 33 t. 367.5

74 B April 22 1989 A35

375 - "there were 3 babies in nest; 2 alive and 1 d

379 "this is bird 425"

383 "this is song of bird 305"
305 - wierd, soft song - (slow) - little

394 33 chitter (off nest)

410
412 nothing

33 and 59 flying around here 419 420

song of bird 273
273 and 274 good flight calls

438

442 bird 425 - good song

460 bird 305 good song - long series

↓ ↓ ↓

582

587 387 and 395 again
"357 is the type 2"

600 305 more good song

625

715 April 22 1987 ABS

630 - 318 good song (305 sing loud in back)

660 → (contains "type 1 call" series - in song)
↓

675 END

75 A May 13 1987 - ABS

0 - in cell of 59 + 33 (lots of flight calls)
"33 there"
59 good flight
33 good flight > both birds loud, but intermixed

33 57 59
2.5 4 7.5
3 53 5 both

---

9 May 21 1987 in Hvachuca Mts, 6:20 am w/ 305 + 387 as decoys in trailhead @ oversite canyon - no xbills here

May 21 again 11:00 am @ Bafort Park of Chiricahuas, -- as soon as I got here there were xbills on road

are some type 2's here -- good numbers of birds here

27

its 11:50, Type 2 xbills around for sure

32 12:21, decoys calling and wild crossbills are up in the trees

754 — [illegible] 1987 — Barfoot

93 — underneath birds, perched low in trees

105 — "huge flock of crossbills here, sounded like 20-30 birds)

109 — red wab sizing - good - from low branch
(2:20 pm)
(good long series)
"male just flew" - no more song

153 — "male has flown to another tree, now I see 2 males"

156 — "another male in song here, on tip of branch"
short sequence of a few song phrases

163 — bird calling right here (Type 2 birds fly over)

167 — juvenile calls - good - w/ adult
(-"chitoo" type of call)

206 — juvenile begging calls - good series
"begging from a male"
"it could be a female, yeah, a female"
"the baby's got a full grown tail"
more good begging

754 May 21 1987 Bonfoot

239 "bunch of birds here" - juvenile begging
387, 395 each one good flight call

(240)

245 "wild birds in flight"

248 it 7:21 pm now, still @ Bonfoot Park, quite now that it's evening, walking toward robin"

---

voting and calling

257 good series of robin booking calls

287 another robin @ 7:39 pm
good robin calls
↓
into weird booby trills

| background disturbance (mic ?) "batteries are going dead"

---

306 "testing 1, 2", "3-4"
310

---

recording that same robin
it begins to sing right after
booking, as whip-poor-will begins to sing"

75A May 27 1987 Barfoot

326 something else sizing here - 7:50 pm

good song of pewee (and owl in back)

greater

Flammulated

353 "start again"
more pewee and owl songs

~~400~~ 371 good whip-poor-will

393 robin bark

400 start without the parabola

413 testing again

again

431 May 22 1987 Barfoot 5:25 am
some Type 2's in top of tree

442 calls of flock - Type 2's - good

446 juvenile giving begging calls - good

464 baby crossbill call - one chitoo

75A May 22 1987 Barfoot

475 begging calls of baby "next to a male"

"male is feeding baby now"
"sort of a fight now"

487 "here's a baby"

490 "here's a low female"

"now birds are really hitting nets"

503 "it's 7:47, and 5 birds have been captured,
3 ♂, 1 ♀, 1 juv"

511 song + calls of bird

530 "birds just captured will be 514-518"

536 toots of some wild birds

555 an adult male has just been caught

"8:58, whole bunch of birds in nets now"
"I may have to release most"
"there are 14 birds in net" "more coming in"

580 good begging calls of baby, (with male) (578) (579.5) (580.5) (582) (584) (585)

596 I just shot the baby - 521

754 May 22 1987 Barfoot

600 I just released all of the birds, total of 14 birds, 1 juvenile, 5 and ♀, 8 and ♂

606

609

616 514 good flight calls (619) (620) (622) (624)

627 520 (juv) good flight calls (628) (630)

638 520 good flight calls

653 520 good flight calls (656) (657.5)

666 514 good flight calls (667) (668)

75 B

0 — 514 good flight calls

10 518 one good flight call (10)

12 516 nothing

"wild birds are looping in the trees"

20 516 good flight calls (21) (22) (22.5) (23)

75 B | May 22 1987 | Barfoot

25 — 518 nothing

28 — 518 nothing

31 — 518 one good flight call, then more – (sounds very juvenile – but clearly adult) 31 32.5 35 35.5

42 — "12:30, testing some birds here"

45 — "this is 517" – good flight – [few]

50 — 517 – some good 50 52 52.5 54

62 — 517 good flight calls 62.5

64 — 519 good flight calls 64.5 65 65.5

68 — 515 some ok – good flight calls

73 — 519 good flight calls

79 — 515 good flight calls 79 82.5 83 83.25 84

95 — 514 good alarm calls 94 96

101 — "there's a wild ♂ right here – ~~some good~~ calls 93 93.5 99

106 — 519 good alarms, into screech 101 103 103.5

107 — 518 good alarms, into screech 106

NOTE "– must have bird 522 here ~~[illegible]~~ 5 call

75 6 — May 22 1987 — Banfort

111 — 51X good alarm series (111) (111.5) (112)
515

123 — "but was actually bird 515, stop"

124 — May 23, 1987, Banfort Park
5:30 am

one lone bird calling from treetop
(good Type 2 series)

138 — "more wild birds are coming in"

"bright sunny day, not a cloud"

143 — 6:52 am, crossbills flew, about
20 birds altogether, mostly adults

159 — 8:13 now, haven't caught any crossbills

164 — "lone bird here" - good calls

170 — 9:32 - a crossbill just flew in

173 — a crossbill here giving some type of song (more
good chitter - solicitation call of decoy? ??)

183 — "I'm just under a flock coming down to drink"

— birds are now in free in corral in Banfort Park

May 23 1987 Banff

178 recording birds, but I can't identify the calls (all Type 2)

205 "there they go, across to the other side of the park"

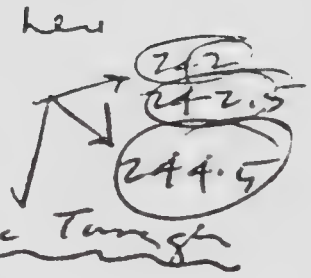
calls of wild

230 May 23, I moved the camp

before I left, I got 2 more birds, 523+524

235 4:10 pm, wild bird just flew in here

241 there's a really strange bird here



good calls of birds — Hepatic Tanager

5:51 — a wild Type 2 x 1.11 just came in here

May 24, 1987, about 1 mile of Banff Park
"there are wild birds"

258

262 trying to test 523 + 524

271

272

273 523 good

275 523 good (275)

75 B May 24 1987 Barfoot

284 523 good (283) (285.5) (287)

298 523 good

310 305 good (309)

312 523 - screams

315 524 - nothing

330 "wild bird" - (Type 2 series)
"there it goes"

334 524 - one loud call (333.5)
then 3 more (336) (336.5)
then 3 more (339.5) (340.5) (342)
then 1 more (345)
all sizes

350 wild bird - good fr. call series
"lone bird"
"he's flying around" more calls

367 - pointed now @ 524 (nothing) wild birds take off

374 "test, test"

410 now @ Pinalene Mts, May 24, 9300 ftg off road post post creek
in Doug Fir forest

75 B — May 25th 1987 — Pinalenos

Down, Pinaleno Mts., along main road, just under Webb Peak

416 — wild xbill @ 5:39 am, could be Type 2
some good song — "looks pretty big"
"probably a lone male"

445 – some flight calls in the song

450 — "there it goes"

452 — "big flock just flew in here, in Douglas Fir by camp..."
"must be 20 birds"
"there's a bird right here.... it joined the flock"

471 — "there's a a pair of xbills here"
— "lost boy" —

494 — the birds are vocalizing, and they're definitely Type 2
"it's a ♂/♀ pair"
"pointed @ her" some chitter

526 — I netted the male (526)
siskins hanging around the ♀ (good siskin calls
526
calls of the female – good (545) (547) (549)

553 — caught the pair, ♂/♀ pair of Type 2's
525, 526 = ♀

753/76A May 25 1987 first time

804, small group of type 2's, ♂+♀ in net, another ♂ not captured - he sees the net

some calls of wild bird

606 good flight calls of wild bird ... (599) (609)

612 he's caught

"that bird will be 529"

622 new birds are calling

627 527 good flight calls

633 525 good flight calls (635.5 527)

642 527 good (642.5 527) (646 525)

649 525 good

650 527 good (652 527) (652.5 527)

May 25 992 am

76A two wild birds have just flown in

0- ♂ - ♀ pair here

2 "female was just captured"

male (some calls in flight)

11

12 wild male (some calls)

more than just the ♂ -- a whole flock all around

764 May 25 1987 Pinahouse

27 "3 g's in net"

30 calls of decoys

32 now 4 g's in net

35 528 good flight calls (34) (36.5) (37) (37.5) (39.5)

41 527 good flight calls (43) (43.5)

46 10:09, still have 6 birds in net, one lone bird in spruce

53 "recording that bird" – some o.k. calls (53.5) (54) (54.) (55) (55.5)

54 just collected that bird, will be JGG 429

"now testing 530-534"

62 532 - some weak calls (67.5) (71)

69 532 - more chirpy / weak calls

82 534 - some good calls ("song of 305 in back")

93 534 - some good flight calls (93) (100)

101 532 - ok calls (104.5) (105)

75 A May 25 1987 Pinaleno

114 534 - good fright calls (114)

120 533 - nothing

124 533 - 3 good (123)

132 531 nothing

135 531 - one — (134)

531, 533, 530

140 531 - one — (139) playback in back

147 531 nothing

153 530 ok, to good

170 531 - one (168) 530 (168.5) 530

530 - two?

530 - good (181) 530

183 531 - two (182.5)

188 530 good

192 533 - two, ok

203 533 - nothing

76 A May 25 1987 Pinalene

208 533 good flight calls (201)

218 533 good alarm series (217.5) (218.5) (219.5)

May 26 1987, Back @ Barfoot
8:00 – 305, 387,
clear, windy, lots of xbills

225 begging baby around

9:25 am, May 26, some type 2's in trees here
305 good calls

240 "here's a bird" nothing

247 "here's a bird" good series of Type 2

large flock in tree in corral (where I'm camped)
(good flock calls)

267 "bird here in tree" (ok series)

277 good flock calls

9:51, group here now, (juvenile calls)
"bunch of juveniles"

293 evening grosbeak calls – several (EG. 280)
"really long + raspy calls"

75A May 26 1987 Barfoot

307 "here's a crossbill" — tooping - good evening grosbeak + pine siskin in back

330 "I'm walking over to where that tooping bird is"
"whole bush of birds here"
good tooping, into alarms

"chatter of wild bird, now it's on ground"
"calling bird there is 357"

371 "fighting calls there" by both wild + 357

394 good calls of wild bird as it flies 379.5

"that bird is still calling" "that's her"
409 "here she comes" note - tape slightly out of synchrony
411 good calls of wild ♀ 396 396.5 399

"collected that bird - shell be 536"

419 time lag

430 "evening grosbeak" - some weak buzzes

good evening grosbeak - cheer calls

454 11:21 still some crossbills here

764 May 26 1987 Barefoot

460 "here's a distant low & Type 2" - ok calls

476 "evening grosbeak" - some good calls bad wind noise

more good evening grosbeaks intermittent

---

537 1:36 pm - low red ♂ here "no doubt a Type 2"

"another wild bird there" in flight

"here's that other wild one" good fl. call series

"this is a ♂ now" ok series (bad noise)

576 "the ♂ again"

"I took a shot @ the ♀, didn't get her, the ♀ seems ok, both birds calling now..."

---

571 "here's another wild bird, maybe the same one, i'm not sure" - good fl. call series
(579) (580.5) (581.5) (582) (584) (585) (586)

607 collected that bird - #537

2:36 pm, bird around

---

611 "3:20 pm, some juvenile xbills here"

---

629 "a crossbill that sounded different just flew over"
"no sign of it..."

---

76 A May 26 1987 Bonfoot

642 good flight all seems (630)
"variant of Type 2"
"I don't see the bird"

---

661 May 27 1987, Bonfoot Park
5:30 am w/ 305, 387, also
bird 538

305 good calls

"new bird, # 538 - nothing"

538 one

---

681 538 - nothing

---

76 B Bonfoot Park, Aring, May 27 1987

0 - 538 good single, then double calls

(2.5) (3) (3.5) (4) (4.5) (9.5) (11) (11.5)

---

18 "6:21 am, here & there"
some calls of wild bird

"that's him"

"now he's being joined by others"
"that's two ♂" good songs

---

33 "a bunch more crossbills just arrived"
"10-15 crossbills"

---

36 "calls of birds" - chips from trees

76 B

it's 6:32, a lone bird down @ decoys
"that's it" -(a few weak calls)
good calls - "there she goes"

60 " pointed @ a low male"
a few weak calls
(66) (67) (68) (71)

---

72 "just collected that ♂, he'll be #539"

---

73 bird 538

---

76 "9:53 am, I have just captured an adult ♀"
she'll be #540, and there are still some others here

9:57, I hear a x bill singing -- pointed into tree
nothing

---

94 it's 10:02, I think there's a ♂ here

"there he goes" - some calls

97 "I've just put 540 in her cage"

10:40 am, a couple begging juveniles next to truck

tapping by adult ♂ - good
-also flight calls

76B May 27 1987 Barfoot

110 a wild xbill just came in
good fl. call series

"there it goes"

116 12:08, some wild birds here
testing 540 (118) (118.5) (119) (121)
540 -- a few singles

126 540 distress squarks -- long series

132 6:17 on May 27 "been a quiet day"

136 "& see a red ♂ + a begging baby down @ the water"

140 "testing 1, 2"

143 May 28, Barfoot
wild xbills here,
good fl. call series of one bird (Type 2)

154 "here's that bird again"
good series

158 "there it goes"

166 6:11, lone ♂ here w/ 2 begging babies
calls of small group (adult + juv. calls)

76B May 28 1987 Banfoot

"there were 4 birds, 1 adult ♂ + 3 juv.

Crossbill just arrived here - good Type 2 calls

180 "7:16 am"

182 wild bird - flt call series

191 now a ♂/♀ pair here, both birds
(good series of one of them)

"this is the ♀"
"total of 4 birds here"
"I see 5 birds total" - good calls of flocks in flight

206 I'm at a little water hole by the west camp
good calls of Type 2 birds by pond
Good flight call series of bird juv begging calls

299

254 good series from a male

260 "this is him" (weak series)

270 good series from the ♂

273 "back in middle of Banfoot -- crossbills coming down for water." - calls of "pair"

76 B May 28 1987 Barfoot

281 - crossbills here tooping and going down for water

283 "this is a ♂" short Type 2 series

295 calls of a ♂

299 "trying to get that wild bird again"
series of weak calls

313 "right next that wild bird, trying to heard him into the net, he's now perched on 387's cage 1."
(1 rush) | some intermittent calls

338 "bird just bounced out of the net"
(some weak fl. calls) "this is one of the wild ones"
"begging babies here"

360 "this is an adult bird" (some calls) 355.5 356.5 357 360

"just caught that one"

"recording now a juvenile (nothing)

368 "another wild bird" (good series)
"I dont see the bird" "the new one will be 541"

386 "see a flock of 6 x bills" "8:28"
"pointed at the flock" - a few calls, w/decoys

400 "now they're coming this way" some calls

76B May 28 1987 Barfoot

406 "pointed @ the flock" — a few calls, a buggy song phrase by a wild bird (406)

---

422 "a lone individual away from flock above the truck... pointed @ that one now"
"that was it" — (very weak calls)

453 "that bird was a ♂, who just joined the other birds

"the flock is starting to come down and drink"
"none are caught" (some calls of wild birds)
"some juveniles and adult males... there they go"

"still one bird here" — good series
"there it goes"

---

480 "a begging baby just arrived @ 8:40"
"down with a ♂" — (good calls) "that's the male"
(good begging calls)

---

494 "that male and baby took off"

---

496 "it's 8:51, more crossbills here"
"an adult ♀ right here" (wierd, chippy fl. calls)
"at least four birds here, including a red ♂"
(song phrases — by ?)

530 "just caught the male"
532 "he got away"
552 "caught an adult ♂ — he's well-caught" — calls of flock ↑

76 B — May 28, 1987 — Barfoot

570 "these are the wild birds" — good series

"that was one of the males" — good series

579

blank tape

597 "just put a new cord on microphone, still quite a few crossbills around all type 2's"

"new birds 542 and 541"

606

613 "here's a wild bird" (good series)

620 good series by wild bird "that was a ♀"

636 good, loud (but distant) series by bird

642 542 — nothing

650 "wild bird" — good series

to end blank tape

77A — May 28 1987 — Barfoot

0 — good series (?)

542 nothing

4 542 nothing

77A May 28 1987 Barfoot

10 541 one, one, one
series of weak singles

16 541 – ok, louder singles (good)
then good (26)

37 "wild bird, Type 2, calling from trees here"

41 542 – 2 good
then more good flight calls

542 – good song phrase
"looks like his mate is here"

541 – some good
– song phrase by 542 → (047) also 160-16000 50-5000

* 49 wierd begging calls of adult ♀ to bird 542 *

"this is that ♀" (long series) (sounds juvenile) (050) 541
(53) (54) (54.5) (57.5) (58)

63 "pointed now @ 541 – – nothing"
"back to the ♀" – good begging calls (79) (82)

87 "this is that ♀ again" – weaker begging calls
"she's going down to 542's cage" (louder calls)

98 542 nothing

100 542 – good flight calls

77A May 28 1987 Barfoot

106 "this is that female" good series

113 now at 11:09,"
"wild crossbill here" some calls

"there it goes" "still another"
"just caught one of the birds"
"caught two of the birds here, one ♂, and ♀"
"just captured 4 birds, released all but ♂, released all but ♂, there he goes -- (good flt call series)

142 good tape of adult ♂ -- he's got juveniles with him..." "with an adult & as well, down @ water"
"there he goes," (some Type 2 calls)

153 5+2 - good alarm call

155 May 29 1987, Santa Catalina Mts about Tucson
"wild xbill" - good calls
"I don't see the bird"

172 "start recording" (some calls of bird) + wk

179 "that bird's gone now"

May 30, Santa Catalinas

183 "must be a crossbill comes in"

186 "its 6:56" "387 there" — good calls

"its 7:11,

"I hear a bird coming in, 7:13 now..."

"pointed towards the wild bird" "crossbill here now
nothing from wild bird

"wild, Type 2" (very weak calls)

212 "7:28, I think there's a diff wild bird over

"387 and 305" — good calls from both

220 "wild bird" "one call there"

"wild bird" (one)

"wild" — more calls — good series (224)

"it's a ♀, stop" (225) (226) (227) (227)

234 "that ♀ has just been collected"

"she'll be 543"

236 " 12:25, there's a wild xbill coming in"

(some weak calls, then o.k. series)

"bird chittering there"

"pointed @ wild bird" chitter

259 "wild bird" weak calls

270 "wild bird" more weak calls (Type 2)

279 "just collected that ♀, she'll be 544" (271) (272) (276)

77 A May 31 1987 Black Canyon

May 31 1987 Gila N.F., New Mexico
on road 61 N of Santa Rita, camped out
in middle of ponderosa pine forest
I awoke to sounds of Type 2 crossbills flying
over

292 "wild bird coming in" — Type 2 calls

"here's a bird -- flock" "decoys loud there"

314 had some microphone trouble here,
was a large flock of Type 2's -- about
25 birds plus some lone individuals

320 6:09, another Type 2 around here somewhere
"wild" — some ~~peak~~ calls

350 good calls of wild bird

371 "8:19 am, @ meason park"

"8:25, that wild bird's still here"

"made a rush for that ♀, she missed the net"

"soft song, probably a ♂"

"wild bird here" "fighting calls by 387"

"she missed the net again

"she's caught now, caught well, male
still in tree singing .. there he is (chitter)"

419 — males caught now
♀ = 545, ♂ = 546

427 — "decoy's just got excited"
"that was a wild bird here"

429 — testing 545 & 546

432 — 546 – one, then more o.t. singles

442 — 546 – good doubles, ox (443) (444) (446.5) (448)

452 — 545 – one, then more good "wild bird comes in"
(452) (453) (454) (455.5)

459 — "wild bird" good series

470 — "that wild bird's going down, it's a ♂"

474 — "wild bird, that's 545" (462.5) (464) (464.5) (465) bird 54
"wild" – a song phrase
"now again & the wild bird" – weak song

496 — "he'll be number 547"

499 — "1:34, more wild birds coming in"
"pointed at 545" – 2 good, 2 good (4)

506 — "type 2 birds" (545 in back) (503) 545
545 good

774 May 31 1987 Black Canyon

510 "wild bird, in flight" good Type 2 series

"wild" good series

"just flew a distance away"

532 "same wild bird (@ 11:37" - (nothing)

"wild" - poor, ex series (Type 2)

"there they go, three of them actually in."

548

552 5:12 on May 31, off Hwy 59 on road to Winston, NM, stopped in Ponderosa Pine savanna about ½ mi N of road, put 387 out, she's attracted a low xbill"

565 June 1, 1987, continental divide on Hwy 59, 5:09 am, net w/ 305 + 387

"5:12 am, wild xbill coming in"

"sounds like a flock"

"no sign of them now, just passed over"

"5:21, I hear wild Type 2's coming in, 2 birds"

(OK series)

597 "more crossbills @ 5:30" "2 birds"

"actually 3, 4, 5 ..." calls of flock in back

77A June 1, 1987 Poverty Creek, NM

617 "those crossbills stopped, 1 see 4 birds in tree"

624 "those 4 wild birds are fluffing and preening in top of this tree..."

641 "there are 5 birds in this flock"

645 "that flock took off leaving a ♂ behind"

"pointed @ ♂" – weak calls
"actually 1 see 2 crossbills"
"2 males in this tree ... this is the uppermost one in song" – OK song series

---

77B

0 –
1 – "continued from side A... wild ♂ here"
"still here, fluffing and preening"
"birds have now started to forage – 2 males"

10 "one of the ♂'s started to call here" – (weak calls)

more weak calls

"birds just took off"

more weak calls

"there they go"

45 "alarm calls of the bird" – OK series
also flight calls

good myrtle warbler in back

77B June 1 1987 Poverty Creek, NM

60 "tooping, and fight "between a male and a female"
(62) (64)
"some of the birds remain in the tree here"

74 "I've attracted some birds here" — flight calls
"group of 3 coming down (79) — "chitter"

80 "calls of one of the birds" — a

87 "caught one
"caught another
"caught still a third"

89 3 males in the net
caught a siskin good siskin call

106 "something's scared-off the flock"
"sounds like another flock"
"still a male, I think a male, by himself"
"that bird now" — soft song — good
"there's a hawk around", "it's gone now"
"that was that male, he flew, down to dewings again

128 "got that ♂, captured in the net"

"4 males caged, a pair has just come in"

"calls of ♂" — ok series

134 good fl. call series "this is a ♀" 552
"loud ♀ there" (136) (136.5) (137.5) (138) (138.5)

143 "just collected that ~loud female' recorded moments ago... there's 2 birds still here by the n

147 "one of the females here" – weird calls
(145) (145.5) (146) (14

153 "collected that female"

154 "this is a male" – good series
"test 1, 2" (153.5) (154) (154.5) (155

159 "just got that ♂, now here's another ♀"
(good fl. call series) (160.5) (161) (161.25) (1

165 "just got that ♀"

166 "4 birds recorded and collected are as follows

loud ♀ = 552 = JGG 450
2nd ♀ 553 = JGG 451
♂ 554 = JGG 452
last ad ♀ 555 = JGG 453

testing now the birds.

179 449 (=549) good flight calls

185 449 good flight calls (185) (185.5) (186) (18

195 "testing now 448" nothing

200

205 "trying to get 448 here"
(548)

77 B June 1 1987 Poverty Creek

209	550 weak calls
226	550 one, one 550 weak calls - ok
234	
237	550 good flight calls (237) (237.5) (238) (239.5) 551 good - one, then now "that's still 550 there"
254	"pointed @ 551 here" nothing
270	551 good (274) (274.5) (275)
278	549 nothing
280	551 6 good (281)
285	548 nothing
290	548 nothing
293	
	548 weak singles (297) (299)
318	548 weak, ok (318)
327	548 weak, ok (331) (333)
340	548 nothing

776 June 2 1987

344 June 2, 1987 Cibola NF outside of T or C, NM, at "springtime camp site" Crossbills have been here already, Type 2's "at least"

"wild bird here"

356 "here's a wild bird"

359 "wild" (good call series) wind in back ↓

374 "I see a pair, good numbers of birds, sound like Type 2's -- there's the flock in flight" (good series from flock)

"I see a flock in the tree right above me"

"flock is calling now" (excellent series from flock
"flock of about 10, all looked like adults"

393 "this is bird 305" - good song

"there are some wild Type 2's here"

417 "the wild bird that had come in is in song"
"one of the birds is making some calls here"
"song of one of the birds" (OK series)

437 "lone bird" - OK flight call series
good song series by 305?
alarm calls in the song ← "305 there"

77B June 3, 1987 San Mateo Mts, NM

480 "I'm right underneath that singing male"
Good song series

517 "start again" (song continues)
"wild bird, stop"

545 "wild bird, test" (558) (560) (571) (576)
good flight call series by wild bird

airplane noise in back

580 "just collected that bird, it will be 556"

June 3, 1987 San Mateo Mts,
decoys called

7:18, decoys real excited as wild bird
"wild bird coming in, 8:21 am – Type 2"
"I hear a wild bird coming in, Type 2, from a higher elevation"
"wild, 357, wild, 387"
"wild" – (some weak chitter)

625 "lone ♀" (624) (634.5) (638.5) (637)

644 "shell be JGG 459, RC #557"

75JG side A beginning June 4, 1987
Spring Creek Pass, Hinsdale Co, Colorado

0 — "there are alot of crossbills around here"
type 2's mainly, also type 5, also type 4's
"lots of pine siskins around"
"lots of Engelmann Spruce Cones

8 — calls of type 2 birds

14 "wild birds here" — good type 2 calls
"also 387 calling in response, as more type 2's fly around the area..."

25 "pointed @ one of the birds, pair of type 2's just arrived..." (good call series)

35 "type 5 bird here" (ix series)
"the type 5's have taken off..."

43 7:32 am, lots of crossbills, siskins, pine grosbeak
white-winged crossbills as well

50 pine grosbeak just came in

"love type 5 bird" good song phrases

type 4 calls, also type 5
"that bird just took off + came back"

75h June 4 1987

77 "wild" "now 2 wild Type 5's"
(good series from the Type 5's)
"three of 'em"

83 lone type 5 ♂

86 "type 4 bird here" (86) (86 5)

88 "white-winged crossbill" (good series)

92 knocked down a tabby red crossbill
"556

94 white-wing calls

96 good Type 5 series

100 wild Type 5 bird here

103 calls (chitter + flight) of wild Type 5

— "he took off"

112 Type 5 series "lone bird"
"just took off"

116 8:38 am, Type 2's flying around

118 Type 4's coming in here

78A June 4 1987 Spring creek flats

121 "there goes the flock"

126 "9:12 am, small flock of Type 4's has just arrived, they're all high in the trees"

137 "just caught one of the Type 4 ♂'s, orange ♂"
"2 birds in net" (good calls of other birds)

145 "this real raspy one is one I'm gonna shoot"
"he got away"

150 "lone Type 5 here" (good call series)

158 testing 559 & 560

160 some juvenile birds here now
10:39 now, Type 5's just passed one including begging juveniles

165 560 good (Type 4) good series (165) (166) (167) (169) (170)

173 "bright red ♂ down here, 559's cage... not vocalizing now near net..."

175 that ♂ just...

180 "387 there"

183 "now that ♂'s perched right above the net"

78A June 4, 1987 Spring Creek Pass

187 here's a bird right above me (good Type 4 series)

190 pointed @ the male (good ft. calls)

201 just caught 4 birds, a ♂ + 3 ♀s, ~~56~~ 561, 2, 3, 4
still another here

210 "that bird again" – good series (Type 4)

— end of recordings —

no 78B tape was damaged

79A June 4 12:54 pm

0 – "I was having trouble with the last tape, 78A,
and I was trying to test birds 559, 561, 2, 3, 4
and a couple wild Type 5's came in
and that's bird 562" – (weak calls)

8 "are at least 3 crossbills here foraging
on ground"

10 562 good (T4) 10 11 13.5 14 16.5

26

27 561 nothing

33 559 good (Type 4) 33 33.5 35

40 561 nothing

79A June 4, 1987 Spring Creek Pass

43 564 good (Type 4)

47 564 good (49) (49.5) (50) (51)

54 561 – nothing

60 564 good (59)

63 "wild 0° perched above the camp -- Type 5"
"there he goes"

67 "here's front 0° again" – weak – ca.

71

74 561 good (Type 5) (074) (74.5) (74.75) (75.5) (77)

84 563 weak (Type 4)

89 "2:37, long flock of Type 2 crossbills has just come in"

94 563 good (2), then (2), then more

102 563 good (102) (102.5) (105.5) (106.5)

107 563 good

109 562 – distress squawks – series (111)

114 563 – distress squawks – series (116.5) (117)

119 564 – alarm call series, with distress squawks.
(118) (118.5) (119) (19.5) (120)

79A June 5, 1987 Spring Creek Pass

123 June 5, 1987, Spring Creek Pass, dawn, lots of flocks of chills around

127 "7:25 am on June 5, here's a Type 4 ♂"

133 juv. ♂ Type 4, molting into red plumage, no calls right now ..."

136

139 "adult Type 4 ♂" – nothing

143 "that's it" – excellent series (142) (142.5) (143) (143.25) (143.5) includes some 30.5

146 "collected that ♂, he'll be # 565; JGG 467"

147 "7:15 am, lone ♂ Type 4 here"
Song series – weak, into good

"batteries are running low"
into good fright calls

197 "there he goes"

197 "replaced the batteries, it's 720 am"
"flock of Type 4's going over"

202 "this is a pine grosbeak" – nothing

794 June 6 1987 Spring Creek Pass

206 "June 6 1987 Spring creek pass..."
"not get up here! so far I've heard a flock of Type 2's and a lone Type 5"

214 "this is the Type 5 in song - weak sails "it took off" (good calls)

"Type 5 bird coming in" "flying right over"

223 "flock of white-winged crossbills flying over"

"now here's a Type 2 bird" - good calls

230 "same bird" - good calls

232 "lots of crossbills mixing here" - calls

238 "Type 4 bird right here" - good calls

248 blank tape

257 "a type 4" (good calls)

269 "here's the Type 4 again" (good calls)

274 "5:03"

277 "here's a male - Type 2" (good calls)
"there he goes"

284 "type 5 ♂" good fl. calls

289 "I'm just gonna get the gun here"

79A June 6 1987 Spring Creek Pass

294 "Bill, this is a Type 4"
(wild + 305 calls)
"that bird is gone"

301 "I think that Type 4 may be coming back"
(good calls)

316 "that bird again" (good fl. calls)
"two other type 4's just joined that bird"

323 "here come a couple Type 2's"

327 "here's a Type 4 bird here" — good calls
"two of 'em just took off"

337 "now a couple Type 4's" haven't caught any yet today

"4 birds, 2 down @ decoys"
"birds just took off"

347 "birds have come back"

348 "here's a Type 5" "gone"
"9:31"

352 "9:37" June 6, some crossbills, Type 2's and
begging juveniles"

360 "here's a white-wing" (some calls)
(more w-w calls) (361) (363.5) (365)
"there it goes"

19A June 6 1987 Spring Creek Pass

370 "here's a Type 4" (good calls series)

383 "this is an ad. of Type 2" – some good calls
"there she goes" (383)
"wild bird" – (good calls) → bird 566 (386) (394)

397 "of type 2 again, "scout-away by Gray Jay there"
(some alarms by crossbill)

408 "387 then wild"

"now @ 10:35, this is an adult of Type 2"
"that's him" (some wheezy song phrases and
430 also flight calls)
good flight call series

445 "that bird again" – good calls

451 "now there's a Type 4 on the scene, at 705's responding
"wild bird" good Type 4 calls, into weak song

489 "that bird again, it's an adult ♀"
"it's long gone"

500 "7:11 pm long 6, there's a Type 2 bird calling"

79A June 6 1987 Spring Creek Pass

510 "song of pine grosbeak" very poor

516 "song of a pine siskin" — good seri
50-5000
519.5 520 520.5 521
includes ww
Type 4

"there it goes"

528 "wild bird here, type 4" — good calls

540 "that bird took off, now there are
"some w-w xbills around here" (2 diff calls)

552 more w-w vocalizations two types of call
545

562
50-5000 160-16000
545 545.5 545.5 546.5 549 549.5
⊥ blank tape

581 "start @ lone type 2 bird" "that's it"
(some poor calls)

"crossbill right here above the truck" (Type 2)
[into alarm series - ok]

653 mt. chickadee calls here
"chick a dee-dee-dee"

79B

0 — "pointed @ a crossbill" "6:30 pm"

5 — "6:39 pm, flock of about 10 Type 2's just came in"
(good calls of wild birds)

79B June 7, 1987 Spring Creek Pass

19 "June 7, it's dawn, lot of crossbills around"
"dawn"

21 a Type 5 bird ↓

27 Type 5 flight calls ? good flight call series (decoy

33 6:30, I've attracted a flock to net area, mostly Type 2's, also some Type 5's There's a white-wig — good w-w calls (38)

42 good Type 2 + Type 5 mix in flight

47 "Here's a long Type 2" (typical Type 2 series)

52 "it's 7:16, I'm having difficulty getting xbills to the net..."

56 "wild bird"

60 "this is a Type 4 and left over from the flock of Type 2's that was here"
- weak to good calls

69 "it's a ♀"

79 "big flocks of crossbills here" (mostly 5's)

85 fine grosbeak calls

87 "here's a type 5" good calls.

198 June 7 1987 Spring Creek Ranch

90 "10:47 am June 7, have not captured a crossbill...,
and there's a low type 4, actually 2 type
4's, one a ♂ giving light song..."

97 "the ♂" (104) chitter, one alarm (104.5)
"raven just flew over"
(more chitter)

112 "this is still that ♂ giving chitter"

115 "10:53 now, caught the 4g ♂ still low in trees
singing" (good song) + type 4

137 "again after 5 seconds"
(more ok-good song)

143 "again after 10 seconds" — alarm series (144.5)

150 "again after 2 minutes" weak song to calls (151.5) (157) (161.5) (165)

160 "start again" more weak song (168)

170 "start again" more weak song (195.5)

198

199 "the male was shot, #568, JGG +71"
"♀ in cage = 567"

298 June 7 1987 Spring Creek Pass

203 - ♂ white-winged crossbill was just melting from Gray Jays
And here's a baby white-winged crossbill

excellent begging calls of baby white-wing
↓

225 567 good (3)

228 567 good (2)

begging get more rapid
↓

235 "this is 567" nothing

239 "this is 567" nothing

244 567 - 4 good

248 567 good (246.5) (249) (255)

250 "handling 567 here" - nothing

241 "302, some Type 5's here" - ok seiur

271 "June 8 1987, Spring Creek Pass, 6:00 am, dawn, cloudy morning, so far I've heard a Type 4 Crossbill around"

275 "Two or 3 type 2 crossbills here - no net"

621 - I've got a net set up

282 "large flock of Type 2's"

June 8 1957 — 79B — Spring Creek Pass

287 — " 6:49, flock of Type 5's here ..."

291 — " one of the birds"

293 — " flock of 5 or 6 Type 5's right here in the aspens eating buds"
[Type 5 calls]

310

312 — good Type 5 calls
→ I shoot + miss ←

338 — "Here's a low Type 5" — ok calls

343 — "I just captured a bird, didn't see it come in"

347 — "Some Type 2's nearby now"
"here comes a dove Type of bird"

353 — " pointed at the Type of "

— subad or juv. ♂

382 — so far no birds are in the net
"Type 2" — good series by one bird

389 — "There's 3 type 2's here" (391) (391.5) (392)
"that's one of the males / good series of 10

79 A June 8 1987 Spring Creek Pass

then
turned out to be a ♀ = 570

---

405 "bird 569 here" – one,

---

406 "Type 5 bird way across the clearing"

---

412 "8:29, it turns out 569 is a Type 5"
"he's attracted a ♀ Type 5 to his cage"

422 "the ♀ Type 5 has been captured, she'll be 571"

---

424 "a Type 4 on top of tree" – chitter
another Type 4 coming in there
"this is Type 4 #2" – a few good (2)

---

436 "Type 4 #2's calling now"

444 that's him (good series, some chitter ...

---

454 "Type 4 #1 just went down, he's near 569's cage,
#2, recorded well, still up in a tall tree...
#1 is a bright red ♂, down in little tree
here
#1's captured, #2 is still up in a tree

465 this is #569 – good flight calls (464) (467.5) (468) (4

---

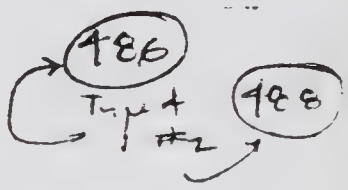
476 "here comes a Type 5, this is a new bird, it's a ♂"

79 B June 8, 1987 Spring Creek Pass

"that's Type 4 # 2, along the Type 4's

483 ← "here's the new Type 5"
—it takes off—
"that was the new Type 5"

488 "that's type 4 # 2"



Type 4 # 1 will be bird 572
the new Type 5 will be 573
if type 4 2 will

— missed here, she'll probably still here

503 — "here's a type 5 ..." good calls
"there it goes..."

type 2 calls, good long series

wild birds

a small flock of type 4's just arrived,
I'm not sure which one I was recording
before.

10:53, there's been some rain, which is
cooling us a little bit, some wild calls around

550 571 good series — slow (553) (554) (556) (559.5) (567)

79B June 8 1987 Spring Creek Pass

test recording bird 572, and there are some wild xbills around the meadow

"wild bird – wild Tape + ♀" (good series) it rains into very good chitter

"bird fluttered down, now on top of dead snag"

625 now bird 572 – ok flight call series 626 627

636 572 – alarms ++++++ it rains – in bac

636 636.5 637 638 639 639.5

642
END

80A June 9, 1987, Spring Cr. Pass

0 – 6:00 am, just past dawn, rainy night and rainy morning

"305, 387, and also 569"

5 – 6:59.. / stop.

6 7:50 am July 15, I just caught 3 crossbill and I saw a flock of 6 come in, and that's 387 there" – good series

011 80-5000 – ✓✓✓ – intro greeting call by one bird

song of one of the wild birds (poor series)

"nothing, very weak"

"there must be more than that flock of 6."

80A July 15 1987 Michigan

26 "so far I've captured 5 crossbills"
"♀ here, I think the other wild crossbills have taken off..."

"this is that wild ♀... I think one of the ♂'s I've caught is here mate..."

"now she's not calling"

---

36 "this is that ♀" - Type 2 (good series) 34 35
"wild crossbills coming in"
"one other bird, this is that ♀..." (good series)

"here comes a Type 4" - good series
"and another Type 4, and this was that ♀"
"this is one of the type 4's

052

"crossbill song here, it's a Type 4 juvenile..."

"this is that ♀ who bounced out of the net before..." good series

---

67 just collected that ♀, still about 2 crossbills here, this is one of them singing... - good song series "test one two"

77

80A July 15 1987 Michigan

80 "the songster just went down"...

"the bird who was singing there just captured, letting him hang in the net, still a juvenile around and its been around the net several times

"that was it" (good series)

"trying to get that juvenile now." "that's it" (good

"one of the birds just captured who sounds just like it..." "wild one there" — ok,

111 couldn't get that juvenile, it took off
flock of Type 4's in dead tree, in fact 4

113 8:33 am, still a flock of Type 4's around, not coming down

few in net now, lone ♂ here

"here's that ♂" "2 birds not caught"

"this is the juvenile here" good series

132 I'm not sure, but that adult ♂ has taken-off

"9:51 am, ad. ♂ Type 4 here, pointed at the bird" — "nothing"

80A July 15 1987 Auschicam

"wild" good type 4 series (147) (154) (154.5) (158.5)

"just collected that bird"

164 alarm series "this is 589" (164)

distress series

180 alarm series "593" (179.5) (180) (189.5) (189)

distress series

186 "596" – good alarm series

back to Colorado

192 "maybe juveniles"

195 "there's a whole family of type 5's here, 4 birds, an ad. ♂ and 3 gray birds..."

"they've been flying around camp now for the last few minutes..."

"Type 4 ♀ whose been around has been captured, and she'll be bird 576"

"some birds, 577 (juv ♂) and 578 (ad ♀)"

note: recordings of birds 574, 575, and 576 were lost

204 "nothing"

EOA June 9 Spring Creek flats

215 "recording now 577 & 578"

a flock "that was 578" (212)

220 "577 wants to call when I walk by him..."
(nothing)

"this is bird 569" nothing

2 "it's 1121 now on June 9, testing 577 & 578"

"11:25. a very large flock of crossbills has arrived, sitting in trees"

"flocks mostly Type 2 birds

"I'm testing 577 & 578, right now nothing from them."

248 "here's a white-wing"

251 "wild bird"

"I hear some Type 4's now"

"that flock is Type 2's, 4's, 5's, & white-wings all interacting together"

Type 2 & right here

259 "calls of the flock — mostly good Type 2 series"

80A

June 9, 1987

209 "type 5 bird right above the camp" good

"here's another type 5"

---

275 "testing 577 and 578"

578 and 9

---

577 and

---

283 578 one

"578 then 577" (2)

"577" one weak

292 577 one

299 577 -(3)

304 577 -2

"this is 5" — wild type 5

323 578 - good 323 324 324.5

330 577 good 333 336

---

336 577 good 339

80A June 9 1987 Spruce Creek Pass

342 578 good (343)

346 577 - distress series

350 578 - nothing

" 3:03 pm June 9 wild type 4 here"
weak song of wild bird
"

348 4:10 pm, Type 4 bird here right at the decoys, I don't have a net set up..." "not same color set, light orangish, I think it's a female"

good flight calls of wild bird (380)

"that's the bird" "305 responding"

(394) (395) (397)

399 just collected that bird, it'll be #579

401 "there's a Type 5 bird right here"

407 June 11, 1987 Sagehen Cr., @ crossroads, 8:29 am.

412 7:01, wild crossbills here both birds good
"a male female pair" ♂ (415)
"male there (413) (416)
♂ ♀

420 just collected both members of the pair ♂=580 ♀=

804 June 11 Sagehen"

422 "11:13, I think a wild x1.11 coming"

"here comes a flock of about 8 birds" - good calls

426 flock

431 "I see 3 individuals here"

"3 min later, not sure what happened to flock"

443 "here's a female by herself" ok calls

"one of the males" - good song
"the ♂, just went down"
"that's 387 there"

510 "here's that same orangish male who was singing" - good song

540 "that male just went down again"

"I'm walking to that male"

"it's a few minutes later, I see some of the birds high in lodgepoles"

567 "the flock is calling from a tree here"

SOA June 11, 1987 Saskatoon

574 "here's a bird by itself" — song
"it's down for water now..."

588 good calling — "wild bird"

---

602 "that bird just flew up"
"I'm underneath that bird" — (some weak chips)
flock flight calls — the
---- "there goes the flock — 8 birds"
a few minutes later, that flock has been forgiv
635 "perched in the tall red fir" — good calls of flock
"I think the whole flo

"12:38, there's a wild Type 2 low bird here"
Some calls
---- "it's a real male"
657 "wild" — a few good calls
into weak song-like calls
end

658 661.5 66

80 B
0 — song starts — good song series [same bird]

7 "just collected that bird, he'll be 582"

80 B July 11, 1987 Yellowstone

11 "Yellowstone, 9:00 am; w/ 305 + 387 as decoys, 2 minutes ago I heard the calls of a Type 5 crossbill ..."

"Those are the decoys

---

16 July 11, 1987
on shores of Lake Superior just between Marquette & Munising, Michigan flock of 4 crossbills here

(wild Type 2 birds call)

"I'm pointed at some of the wild birds" good Type 2 calls

"total of 6 birds here altogether.. three flyby go.

July 12, 1987, 1½ mi W Au Train, MI,
10:00 am – so far no def. sign of xbills – thought I heard a white-wing

11:00 here, heard some crossbills a few minutes ago

nobody came in...

" 4:30 pm July 12 – was digging, I thought I heard a Type 2 crossbill"

80B

July 13 1987 Michigan

July 13, 1987, 6 mi E Grand Marais, U.P. of Michigan, 4:00 pm, out in Pine Savanna habitat. – no sign of cussbills for 2-3 hours now, no cussbills.

5 mi E Grand Marais, July 14, 1987, about 7:00.

just a minute ago the decoys got excited, I thought I heard a cussbill fly over... don't know what call tape..." [illegible]

84 "type 3 cussbill here" (84.5) (86) – (87) toops of wild bird – c also poor flight call

"and the bird's going down, swooped again"

"just the one bird, don't know what sex?

115

dead tape | mic. trouble?

116

"wild bird" – [ok flight calls] into poor chitter

"just flew to the top of a tree"

155 BOOM

164 BOOM

"missed the bird so far"

172 "now the bird's near here giving some song from the top of a tree..." – good song, then BOOM "got the b

80B July 14, 1987 Michigan

10:45 am – "wild birds here, at least 3"

"male and 2 females in the approach perch"

"just caught 2 birds, yellow male coming back"

2 recording that one bird good flight calls

"bird's going down again" 205 206 208.5 bad wind noise

"pointed at the wild bird..." – good flight calls

"and now that bird's caught ... yellow

male = 586 – [recorded] other = 584 and 585

305 good

234 584 nothing

too gives – ?

252 585 here –

262 585 here – moving

290 584 good 302 303

327

328 584 good

EOB July 14, 1987 Michigan

333	
387	585 (weak – poor)
344	586 nothing
347	586
	585 good
~~348~~	585 again (new batt. in mic) good series (356)
360	"585 again" (362) (363)
370	585 weak series
376	585
396	585 good (397)
401	
403	585 good alarm series (404) (404.5)
412	"6:48 pm July 14, decoy's excited"
	"heard a greeting song of a crossbill"
	"wild Type 4 crossbill here"
	"wild bird there .... more than 1 ... 2 birds"
	"this is one of them" good series
	one just went down, neither
	"both were caught, will be 587 + 588 --
450	look like juvenile females..."

EOB — July 14 1987 — Michigan

451 — 588

458 — 587 — a few good flight calls

470 — 587 good

488 — 587 good (494.5) (501) (502)

500

501 — 588 nothing

514 — 586 good (2) (517.5)

522 — 588 a few ; then nothing

533 — 587 — poor
"588 there" — one call, then more
"588 another" (rare calls by 585)

568

569 — "588 there" — one or two
586 good (about 3) then 2 more then more

597 — 588 good (599) (603) (603.5)

607 — 586 one loud then 2 (607.5) (614)

EO B July 14 1987 Michigan

620 "596 here" - distress squawks

628 "597" - nothing

633 598 here — one distress call

July 15, 1987 6:00 am, sun hasn't risin yet, in Luce Co, Mich., clear, cold, about 40°F, no sign of xbills, plenty of evening grosbeaks.... (a few calls in back

END EO B, see side 804! (Reloaded over original by mistake from counts 1–190)

81 A " 12:57 July 15 1987, 6 mi E Grand Marais, Luce Co, Michigan

0 — testing now 592, 593, 595, 596

"12:58 now, wild xbill showed up"
"sounds like a Type 4"
(2 good calls)
"that was 593 there"
10 "the wild bird has come down into camp, about 6 ft away from me here..."
"it's a juvenile"
"that's 605 chittering there"
good calls ("that's the wild bird flying")

OLA July 15 1997 Michigan

31 "593 here" nothing
one call
"I think that was 592, but not sure"

36 "that wild juv. Type 4 still here..." good fl. calls.

40 "will bird"

43 593 song phrase (41.5) @ 100-1000

53 "593 again" - good song phrases, then
single flight call

63 (63) (63.5) (71) (72)

~~63~~ 593 good, loud series

71 593 good, long series

81 bird 586 one distress, then distress series

91 590 good singles (~5)

97 590 good, rapid calls (96) (97) (97.5) (101)

589 good (two type 2) (101.5)

109 592 good (loud, long series) (111) (114) (117)

122 "589 again" good fl. calls (122) (124)

81 A July 15 1987 Michigan

132 "bird 589" (129.5) (130) (131) - good alarm + distress series

134 "this is bird 590" -- tape fucks up while record.

146 "this is 596" - good series (146)

155 596 nothing

159 592 alarm + distress series (158)

596 alarm → (161) (162) (162.5)

"591 and 595" (173) (174) (179) (181) (182) (183) 18:

591 good "that "weird" call was 591 I sounded like a Type 3 call"

194 "this is bird 591" - nothing

199 "this is bird 595" - one alarm (198)

201

202 "its about 7:00 and there's a wild Type 4 bird here" ... - "looks like a juv or ad 4 good flight call series

"bird's lone down to the net, swooped down and went to a different tree..." (give Gusbeak in back or P. finch?)

219 "7:53 pm, Type 4 bird here, lone bird sitting in lone dead tree"

241 "wild bird" - ok series "bird's taking off now to 5"

SIA July 16 1987 Michigan

"July 16, 1987, still near Good Harbor,
242 this is a wild bird @ 6:25 am
good series (Type 4)

250 " wild white-wig cassebill there "

257 now I think that one done Type 4 bird is back
(259) (260)
"wild bird" (good series)

266 "collected that bird
juvenile Type 4, = bird 597" "also 3 Type 2's
came in, 2 in net, a ♂ and juv. also
♀ still free"

276 "recording that 'wild bird'" - c (269) (270) (271) (273)

"7:25 am and I just collected that bird who
was just calling - mt x ♀ - 595 JGG 509 "

291 10:21 pm July 16, Type 2 bird here
coops and flight calls
also wild is a Type 4 who's been around all day

"the bird's a long ♂, he has just swooped down
at the net... I'm walking over now.."
"that's 387 responding to "wild bird" "wild bird" (weak ♂ calls)

340 "that wild bird's still here calling from top of dead
tree" - more good calls

358 "this is bird 600" - good series
"10:40, third wild Type 2 ♂ is around just joined by a Type 1 bird"

558

372 "birds 599 at 600"
600 loud

381

"now pointed at 599" - very weak calls

399 600 ok

399 68

410 599 ok, good

417

425 " 2:38 Type 3 bird here"
- - bad tape - -
could be here in the trees somewhere" - nothing

438 July 17, 1987, 6:30 am out w/decoys.
some white-wings have flown over.
9:27 July 17, I think a wild crossbill here"
450 "wild type 4, sitting on cone: now
"that's 305 there"
"pointed at wild bird" - good chitter, into flight

470 white-winged crossbill song excellent

483 white-winged calls

8:31 am July 19, 1987 in upstate NY near Saranac
these were vocalizations of a wh-w crossbill just collected"

81A July 23 1987 Newfoundland

July 23 1987 in Newfoundland, 1:00 pm
300m above Hwy grade
no sign of xbills - been here 5 hours

512 " 108 pm Newf. time, this is 387;"
long, rapid series

552 " 1:51 pm, stop"

July 21 1987 in w Newf.
9:00 am out w/ 305, 387 for dawgs

566 pine grosbeak calls - ok

572 "these are some ravens flying over right now"
no thing

577 song of a pine grosbeak - ok

593

610 July 25 1987 somewhere in road to Burgeo
greater yellowlegs - good

638
639 more greater yellowlegs vocalizations "i- fight two"

657 July 25 1987, closer to TCH

51B July 25 1987 Newfoundland

0— "Burgess record "=" song of bird 305"

305 - good song "357 in book"

387 good

13

15 305 good song tape troubles river in book
then excellent

36
37 "this is now the little Sony walkman tape recorder"

43
44 chitter by 305 good

microphone troubles

55 305 good flight calls
into good song
into loud calls followed by more song phrases

96 back to the Sony TCM5000"
more song by 305

106 387 } good flight calls
305 }

305 good series

120

132 August 1, 1987, in Forest E of Prince George BC
waited 5 min, wild xbill and I'm not sure
what call type -
OK tooth + flight calls

81 B Aug 1 1987 Prince George

148 "wild bird, Type 3" — "poor recordings but on"

158 "that wild type 3 still calling from top of really tall spruce tree..."

—

more good calls

192

193 "a couple more crossbills just came in here"...
"not sure what call type, decoys got excited"

"these sound like type 2's" — (but variable)

207 "that last bird was collected — a juv L"
"rest of flock took off — sounded like this one" 602 - 366 504 197 204 202

repeat sonogram

Aug 2 1987 16 mi E Prince George, BC
5:50 am, decoys out;

939 am Aug 2, xbills around tooping

220 "I hear a couple of them"

225 I think that was actually an olive-sided flycatcher and not a crossbill

63 630 pm Aug 2, 20 mi S on Bowron River Rov
little clearcut on side of road

81 B Aug 2 1987 Bowron

229 bins 305 – song – good series
into loud flight calls... – very good recording

273 "these are those calls" (very poor)

277 Aug 3 1987 on Bowron R w/ decoys loud.

281 632 am, Type 3 x 6.11 around
wild bird – ok flight call recordings

toops of 305 – good
"bird came in and swooped around"
"now it's here in a dead tree"
"this is the wild bird" – good series – Type 3

330

331 "another...
305 toops
"the same Type 3 bird taking off..."
"now the thing came back" more good calls

347 "little later, a flock of 4" "there's 5"
"they're Type 4"
"this is a wild bird" ¿sounds like Type 3?
"they're up in the top of a tall lodgepole pine, don't see them foraging or anything..."
"type 3's and type 4's mixed in the flock"

Good flock calls (305?)

382 the birds took off, and it looked like 1 Type 3 + 4 type 4's.

81 B Aug 3 1987 Brown R

385 8:24, sounds like flock of crossbills, 5 birds
may be the same 5 as before, circling
around, stopping by, this is one of the birds,
a juvenile

I just caught a juvenile - not recorded

just caught another, adult ♂ orange, a third "fair"

406 this is the one still free... it sounds like a type 3
good series by bird "there it goes

420 out of that flock of 5, 4 birds have been
captured, going strip birds, small-billed..."

427 " more birds are coming in, sounds like a fairly large flock
I see

" 850 am, still got 603-606 to record, type 4's nearby"
calls + chitter of wild birds"

438 the birds are starting to come down, this is one
by itself

there are all juvenile too...

this is one of the birds

81 B Aug 3 1987 Bowron R

449 just caught a hawk, and there are 2 xbills in the net..

"xbills still here, these are the alarm calls of 387..." good series

458 I've caught one of the 3 birds (Type 4 juv.) still 2 free
"here are the calls of one of them..." (3)
"that's it" OK series

---

480 "here are those 2 xbills, just flying around here..."

---

491 "a crossbill here... wild Type 4, I dont see it"
(good flight calls) 487 488 494 495 502

---

507 "that bird was just collected, it will be no. 608"

---

509 "9:44 am a few more wild xbills coming around...
testing birds 303, 4, 5, 6"
"that's a wild bird a Type 3" good series
"two birds, wild"
"this looks like an adult ♂, it's yellow" one call
"wild"

---

530 "one xbill in the net" Calls of wild bird - ok - good Type 3
a greeting call by ¿305?
"tried to collect that Type 3 but didn't get him -- tooke

81B Aug 3 1987 Brown

563 564 565

566 "bird 607" good alarm series

571 "I hear some type 3's"
"that was 607" (type 4)
607 good

584 607 good 583 584
607 good alarm series

600 604 - ok

611 604 good 613 611 618

626 604 nothing

631 bird 603 here 629, bird 605 on the side..." -

638 ~~605~~

642 start recording now 605..." nothing

644 609 - ok

648 609 - ok

661 609 good 655 656 657

663 603 good 661 662 664

673

END 81B

S2A Aug 3 1987 Bowron R.

12:30 pm Aug. 3 Bowron R., BC.

0 – 12:31, testing 603–605, 606, 609
605 – 2 2.5 3 3.5

5 – 605 good

606 nothing

8 – 603 weak

"Type 3 birds come in, flock"

603

and the mild ones are coming down to the test birds

flock of type 3's, bunch of people trying to be fishing...
they're getting scared by these people
flock of pure type 3's"

calls of flock

really 606?

"that's bird 607 right there..."

31 ← 606

38 39

39 – 12:50, 3 Type 3's here...

40 605 – 2 good

42 605 good

"Crossbill here, sounds like a white-wing..."

"505 pm, flock of about 8 birds in tall lodgepole above camp.." good calls

6:00 pm, some Type 3's, I think...

57

62 "this is the wild bird.. – (good type & calls)
"three birds coming down".

82A Aug 3 1987 Bowron

71 now the birds are in some low deciduous trees near camp, they're coming down, chittering

74 "this is the bird that's on the net, it just flew off to join others..."

"one of the birds is perched on the cages"

82 "I think the birds are taking off"

---

85 Aug 4, on Loon L. Road, and there's a type 2 bird here. calls of 387 and the wild bird, who goes into song-like calls

song of wild bird - ok, good, some chitter

100 "I couldn't get a shot @ that bird, an adult ♂ took off to S.."

"wild bird 6:32 sounds like a Type 2 - song flight" - good song - "2 birds

107

113.5 some calls

~~[illegible]~~ good song of bird

"that ♂'s singing and displaying to 387"

114 good song

119 thru 3 like elements "just got that male, there's still another bird here

121 fl. calls of wild or. "here's that other bird" 129 130

toops - "just collected that bird, it's unusual for calls hanging in a tree..."

131 "still a thing type 2 here..."

824 — Aug 4 1987 — Thompson

136 "that's 387 loud here:" 387 good

"it's a male, coming down to look at 387..."

140 good song

163

164 "continuing that bird"

174 nice song - ok

177 "I located that & I thought I shot - shall be 611, the last of 1 shot will be 612 at most then, another Type 2 coming in..

182

186 "wild bird" ?

192 "7:32 now, another wild bird coming in..."

"wild" - far off type 5 calls...

calls of bird coming in - ? Type 2 ?

206 "here's that ♂" — weak song

"it's drizzling slightly, bird's still here in ponderosa pine"

215 "it's starting to rain pretty good and it sounds like Type 5 bird here now..." good flight calls (215.5) (215) (216)

219 "that Type 5 bird was just collected as #613"

221 Aug 5 1987 near Clinton BC,

294 "these sound like Type 5's" ... decoys call

82A

Aug 5 1987

Thompson

296 "this is a wild bird"
"no vocalizations"

233 "wild" very weak calls or chitter
240 — or calls —
"sounds like a type 3"
— more weak calls, —
248 wild bird or fright calls, to good flight calls

256 "wild bird there"

257 "there is a pair here, two of them..."

261 "there are two birds they both look yellowish, they're coming down..."
calls of decoys

270 wild bird (type 3 good calls

284 weak fright calls of wild bird (type 3)
louder calls (the other bird)
both birds call

294 "740 am now, those 2 birds flew off, now more crossbills coming around..."
"wild male, who sang in fright, now in tall douglas fir"

"love red ♂, foraging in ponderosa pines"

307 "that male" — very weak song — zrr's
into ~~ok~~ song
"that bird just flew a long distance"

624 Aug 5 1987 Thompson

316 wild bird weak song phrases..

317 now that ♂'s perched in a dead tree
good song
"I hear more Type 2's coming around"
good song

331 "here's that ♂ again"
"another bird came in"

"that ♂ I think took off singing in flight"

341 "I've got another bird here sort of chittering and going down... not sure what sex or age..."

343 "looping of a bird (good). I see two xbills now and they both look red.. The looper is the bird that gave song before.."

359 "one of the ♂'s has gone down, in the small dougfir looking down at the decoy cages, not vocalizing.."
"that's the wild bird responding to 387" Type 2 flight calls
"he just flew a long distance away"

374 "just caught a bird"

375 "I'm not sure if I got good recordings, but he will be b

377 9:32 am, just collected a white-winged crossbill, and now a couple of Type 3 xbills around the net. one came down but didn't get caught another one singing in a tree... red ♂'s"

32A Aug 5 1987 Thompson

383 good song of wild bird

↓

410 loud song phase

"this is the ♀" - ok calls

424 "I missed that ♀"

male song

430 excellent song ~~[illegible]~~

"big fight here between 2 crossbills."

443 "thear a Type 4 bird coming in now.."
good calls

"pointed at the wild Type 4"

"that's the Type 3" some song

452 "one of those Type 3 males came down and bounced out of the net

460 - 2 weak calls by Type 3" (462.5) (463)

464 "that Type 3 that was just calling there will be 615"
"and night after that I captured the other Type 3, will be 616"

S2A Aug 5 1987 Thompson

470 "testing 614 and 616"

good flight calls – "616 here" Type 4

480 616 – ok, good

488 616 good (485) (490) (490.5)

490 616 – good alarms (3)

496 "11:40 am, group of Type 4's just came in..."

500 calls of wild birds

504 one call of wild

"wild" one more

"can't tell who's who"

511 "this is one of two birds, just joined its mate, just perched in this tall douglas fir here..."

520 "this is one of two birds – good Type 4 calls (520) (525) (524) (525)

526 "just collected that bird=617"

529 "this is 614" – good Type 2 calls

614 good (532) (537) (539)

538 "this now is the other wild Type 4"

"I'm gonna record that other Type 4" "That was it in flight

good flight calls of wild bird, also song phases

557 good flight call series (Type 4) by wild bird

"there it goes, still around here"

570 "here's some final test recordings of 614" (575)

580 614 good

E21 Aug 5 1957 Thompson

583 "there's a Type 4 bird here now, 1:48 pm"
"two birds there."

597 "just got one of the birds, ♂, orange, don't
"just caught the other, 618, 619"

602 " 2:03 pm, Type 3 bird here, down on Type 4's cage, just caught now not"

"just captured that bird, it will be 620"

620 "this is 305 in song"
weak song

644 "test one-two"
"305 again"

650 " 2:30 pm, testing now 618, 619, 620"

656 620 good (Type 3) (659) (661) (662)

668 619 - singles (Type 4) - 4

end

82 B Aug 5 1987 Thompson

0

1 619 good (Type 4) (2) (3.5) (4)

14 618 (1) (Type 4)
618 ok
305 loud, in back

24 618
618 good song in back

33 616 good (34) (35) (35.5)

35 618 good, loud

39 "7:10 pm, Aug 5, a Type 4 x bill just flew over here, exciting especially 305"

45 "wild Type 2 bird coming in"

"8:12 pm, just before sundown" weak, far off Type 2

58 "wild bird" "also a Type 3 coming in here"
"Type 3 here"

64 "The two birds are perched in the same tree, and I'm walking closer..."
"307 responding there"

81 good calls of both wild birds, (81.5) (a Type 2 and a Type 3)

85 from (86.5) (87) (92) of Type 3 bird, also good (90) (91) flight calls
"it's just about getting dark now" excellent tropical frights

82B Aug 5, 1987 Thompson

95 "captured that bird, he'll be #621 ...
distress squawks of 621

99. "Aug 6 1987, same place, 5:50 am, net
out w/ 387 + 305

"type 2's coming in" good calls of 387 in bank

109 305 good, loud, (387 also)

113 " 635, sounds like a Type 2 coming in

116 good calls of wild bird "a (117) male Type 2 here now
"6:53 am, wild bird" (ok calls)
good calls + song phases (121) (130)

140 wing flutter "birds going down" (wild bird calls Type 2)

160 "just captured that bird, he'll be no. 622"

162. "its 7:21, sounds like some Type 3's around"
good calls of decoys

"7:21, no sign of those Type 3's"

167 "722, sounds now like some Type 2's around"

"737 now, I think I here a Type 2 around here now"

82B Aug 6 1987 Thompson

"wild" - good flight calls (176) (178) (179) (182) 387 in back

186 just captured that bird, its a Type 2, R, adult, 623"

189 "Type 4 bird coming in" - ox - good flight calls
poor

"I think the bird just flew over w/o stopping

199 "some Type 3's here @ 8:17" - far-off calls

206 "Type 4's, too" "at least 3"

211 "a pair of Type 4's"
"one of the Type 4's, a juvenile, is captured, and there's another"

"fairly good-sized little flock of Type 3's - one an adult ♂, birds just sitting here,"
"♂/♀ pair of Type 3's" "in a ponderosa pine"

224 ↓ blank tape to end

"Aug 6 1987 @ 8:48 am, after end of 82B

83A "sound s like a Type 4 bird coming in @ 9:02"
"der-dergee by 305"

(2) (3)

"wild bird only a few feet away"
"just caught that bird, will be 625, and now more x bills are coming in..." ".

83A Aug 6 1987 Thompson

another crossbill did come in, its a yellow ♂, I don't know what call type "will be 626, the juvenile ♀ before this will be 625

20 "decoys are excited"

22 "this is bird 624"

24 "1132 am, some xbills" good wild Type 2 calls
"pair"

30 "here are the birds" some Type 2 calls, plus chitter

"I see a gray bird, pointing right at it..."
"just chittering now.."

"it's fluttering down to 624's cage"

"that's the other bird" (good Type 2 series)
"that's bird #2 there..." overall
"bird #1 went down"

63 "I made an approach, and they both missed, and are still here in a Douglas Fir"

"more Type 2's are coming in"

"3 of those birds were captured, a total of 5, all juvenile Type 2's" "the other 2 are still here"

834 Aug 6 1987 thompson

71 "624 here" some good flight calls

78 624 good (79) (80) (82.5)

56 "12:11, all of a sudden a big commotion w/ Type 2 x6. and a song in flight here..."

90 626 nothing
"testing 627, 25, 29"

94 628 good (Type 2) (97) (98) (100)

103 628 good (104)

626 nothing

110 626 nothing

113 "a wild bird around here, 2:40pm, Type 2 I believe, in
E song here" [bad wind noise, ok song phrases at
some chitter] "pointed at the bird

flight call (125)

"the bird swooped down."

131 chitter of bird, into 2 ok flight calls, (133) (137) few more

141 "just captured that bird, he will be 630"

"testing 627, 626, 629"

148 627 good (150)

157 627 good (158) (159) (160)

83A Aug 6 1987 Thompson

166

175 626 - (Type 5) - a few good singles (181)

186 626 one (186)

196 "sounds like wild Type 2's coming in now @ 7:36 pm"
"wild bird" "looks like a ♂"

200 good song phrases

211
212 more song of wild ♂ (same phrase)

alarm calls of bird 387 into
weird chitter

wild ♂ in flight (good flight song)
"in flight" (good song)

"in flight, down to a lower perch" more good song

"perched on net, 2nd lowest wire, backside

247 "here's that wild bird" - (chitter-like fl. calls)

252 "very weak calls

259 "wild bird" - good fl. calls

264 good flight calls of wild bird (264) (264.5) (266)

83 A Aug 6 1987 Thompson

267 "just collected that bird, he'll be 631"

268 626 – ok singles (268) (269)

275 626 (276)

278 "626 here" – distress squawks series

281 " Aug 7 1987 · 5:56, got net set up
"testing 629, kept overnight"

289 "629" – good fright calls (289) (290) (290.5) (291)

296 "type 3 bird here" – good fright call series

300 "3 Type 3's here"
"this is one of the Type 3's" good calls

307 good chitter "one in net"

311 "this is one of the Type 3's, who's bright yellow" good calls
(315) (319) (322)

325 "same bird"

328 "just collected that bird" "he'll be 633"
"the 3rd Type 3 calling here" good calls

340
346 "that last type 3" – good "decoys responding"

348 "a family of Type 5's just arrived, w/ babies
begging" "this is one of the ♂'s"
good song and fright calls, w begging calls

E34 Aug 7 1987 thompson

629 - distress and alarms?

366 "9:12, a type 2 bird, I think it's a ♂"
good song

382 "here's that bird again" "song flight"

387 more song of wild bird

410 "this is 632" good (type 3?) (410) (411)

419 "here's the wild ♂ who was singing"
more weird song & calls

more good song of wild bird ("in flight")

474 here's 632 - good flights" (475) (476)

"while I was recording that ♂ type 2, a
flock of 4 type 3's came in at once and
for a few minutes & took off w/ the ♂ type 2"

485 "type 3 ♂" good song - excellent

498 "that type 2 ♂'s still around here"

514 "9:20 sounds like a type 2 here" (504) (506) (510) good flight calls

83A Aug 8 1987 Thompson

518 August 8, "wild xbill here"
"2 birds here" – chitter "there's one' he

541 "one of them's on the net wire"
"missed – 'em"

554 "here's the other bird" – good calls
"just collected that'll be 636, the mate, in net, will be 635"

567 "8:21 "more Type 3's coming in" > 556 557 559 559.5 633
a Type 3 fright call sends – ~~pony~~ 577 578 579 580
"that bird was just captured, it'll be 637"

585 "here comes a xbill" "sounds like a Type 4" (far-off calls)

597 good Type 4 calls "wild bird" then good toops 598 599 (
602 603

614 just collected that bird, it'll be 638"

617 "11:56, xbill" "2 birds" Type 3 calls
"the caller is in the Douglas Fir"

630 chitter "the birds went down, bowed out"

638 Type 3 calls, OK, 639 638 640
"the other bird just got captured"
"the 1st bird, recorded, was collected, = 640, the other = 639"

83A Aug 8, 1987 Thompson

655 " xbills coming in here @ 12:25 pm"

659 "a flock of Type 3.5"
"I also hear a Type 4"

"one bird just got caught" "another"

671 "still a Type 4 bird here somewhere"
poor, far-off calls

83B 1:02 pm

0

2 "1:02 pm, 387's very excited"
"Type 2 bird around here"

7 "here's that bird" - song - good
"now it's caught, flew out" - more song
"sort of hanging in net now" - more song
"still hanging in net" (I walk over)

21 "that bird was captured, it'll be #643"
"I didn't notice, but a Q xbill here"
"it's calling, it might have been w/ 643"
"now it's on cage of a captive"

28 "that was it" - good Type 2 songs (28) (29) (30) (31)

34 just collected that bird, it'll be 644"

E3 B Aug 8 1987 Thompson

36 flight calls of 635

39 635 on

44 635 good 42.5 44 45.5 46

48 642 good (Type 5) 49 50 50.5

53 635 distress

55 639 good (Type 3) 57 57.5 59

66 641 good (Type 68 69 71 72

80 643 good (Type 2) 80 81 82 86

87 643 distress series

92 "8:04 pm Aug 8, Type 2 singing & calling"

95 "number of Type 2 x-bills around, 8:06 pm, sun is going down now..."

97 "at least 3 Type 2 x-bills near camp, not all together"

101 "this is one of the birds" good song

104 good song ("That same ♂")

— "just took off"

112 "Aug 9, thought I heard a Type 5 x-bill"

— "618 on Aug 9, decays out"

— wild calls (Type 3?) — good series

130

83 B Aug 7 1787 Thompson

131 "6:40, that Type 3 bird took off"

"Type 2's foraging here, 3 birds"

135 "2 of the birds have just been captured and look like juvenile ♀'s, and 2 others around"
"I just captured ♂ 4, and they're Type 5's
"645, 6, 7, 8"

140 "7:07 am, and a singing ♂ Type 2 here"
↓ good song ↓

163 "Same bird" more good song

168 "same bird" flight calls

176 "this is 648" – alarm 183 (1) (180)

185 "sounds like Type 2's here"

"just collected a juv. wh-wi, now a Type 4 bird here"
"wild"

200 "wild bird" good Type 4 flight calls, into song
"two birds there chasing and singing in flight"
"this looks like a pair of Type 4's, maybe adults, fluttering around by the decoys
"one just down, on ground here"
"both juveniles, not caught"

83B Aug 9 1987 Thompson

226 647 (1)

229 646

231 647 good 231 233 234.5

646 nothing

243 646 good 236 242 243 244

246 645 nothing

249 648 ok — "nothing"

254 648 good 253 254 254.5 258

264 645 nothing

269 "a Type 2 coming in @ 10:09 am"
"wild Type 2 there" — some calls

274 "just captured a Type 2, I think, ♀, and I'm gonna keep her
=649

275 this is a male, probably the mate of this ♀ just captured good song ---- excellent song phrases
good song series

298 645 one 300

305

11:32 — wild bird — this is probably the mate of 649,

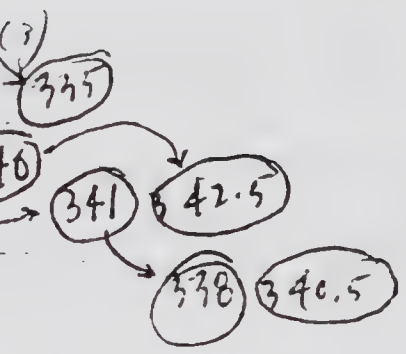
315 "wild bird" — song

83 B August 9, 1987 - Thompson

328

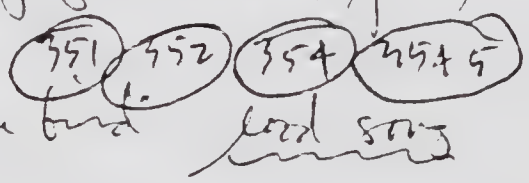
335 645 weak
649 ok - good (3) 335

340 645 (Type 5) 340 341 342.5
649 good 338 340.5



346

352 "wild bird" - good flight calls (Type 2)
351 352 354 354.5



359 "here's that same bird" good song

364 "here's that bird" more song

368 "that bird was just collected, he'll be 650"

369 649 - distress series

374 645 - one distress

380 648 - good alarm series 380

385 alarm calls of 648 384 385

389 "7.11 pm Aug 9, 2 xbills just came in, 305 most excited, looking down @ decoys"

397 "male/female pair here"

"the ♀ just captured, ♂ here in tree" 400 401 402 ok calls

404 "that bird has just been collected, he'll be 651"

E3 B Aug 9, 1987 Thompson

408 "relaxing 652, trying to record as she flies away"
"here she goes" — nothing

Aug 10, pair of Type 2's here, 6:00 am

421 652 nothing

427 652 — good (Type 4) all singles 425.5 430 430.5 432 434

440

442 652 — loud distress series

453 305 alarm/distress series alarms 453 454

4

464 " Aug 28, 1987 Sagehen Cr. @ 12.12 pm, w/ 306 and 384, bright sunny, not much xbill sign".

476 Aug 29, 1987 still @ Sagehen w/ 306 + 384

481 "wild birds coming in" "weird one is

488 "toops of 384" 306 good

495 "7:06 am, heard one Type 2 xbill, trying to lure in"

498 "8:05, one coming in"
"8:07, I hear several, sound like Type 2's"
"sounds like a good flock"
"whole bunch, down low in lodgepole"

513 good calls of flock "about 20 birds" (all Type 2) 510

E3 B Aug 29 1987 Lassen Co.

515 "6:26 pm, near NW of Sosonville"
"thought I heard a Type 2"

"Aug 30, just @ sunrise, w 306, 384 as decoys, I've heard type 2's twice"

531 "wild bird here now, I don't know where it is..." tooping

565 "begging young here" - ex begging
"2 babies flying + begging"

574 good begging calls - 2 babies

588 good fight calls by adult, with begging call
586 588 590

596 "here's a ♂, just arrived nearby"

fight calls - ok

"by the way, I've just collected that previous adult ♂ and one of the juveniles..." (653, 654)
"now lone xbill here, looking @ decoys, just recorded" 617
"here's that bird again" 635 638

647 "just collected that bird, he'll be 655

"crossbill just got attracted to the decoys, tooping now"
good toops "I don't see" "there may be 2 birds"

664 more toops
more toops - one male I see now" "that bird took off"

84 A Aug 30, 1987 Barnes Flat, Lassen

0 "332 pm wild xbill here, toops" (1)

"I see the bird" "above the camp here" (weak toops)

16 "closer but still in tops of trees"
"there's a hawk here, I see, a merlin" "just flew

23 "that same bird" – flight calls, ow
306 calls (25) (25.5)

29 now it's silent, in top of that tree..."
"that bird was collected, he'll be 656"

"5:30 pm, type 2 bird, 2 of 'em...

type 2 bird here, 6:00, type 2 sounded like it flew

42 "couple xbills around here..."

44 "crossbill, 2 of em"

49 Type 2's, sounds like they're coming this way...
flock is flying around here

656, lured in about 4 Type 2's"
"flock is calling" "384's calling a lot, 306 is also calling"
"in tall lodgepole, 60 ft. up.." good calls of flock

71 "birds are taking off now, 4 birds total."
– good calls of flock taking over –

E4A Aug 31 1987 Barnes Flat

76 "wild bird" "tooping of wild bird, I don't see it..."
"at least 2 birds"

84 "6:53, crossbill's coming"
"crossbills, 6:57"

97 "two crossbills, just flew right over"
"here's that bird" (good toops and flight calls)

103 good flight call series

"12:02 Aug 31, I didn't catch any xbills this morning at Barnes Flat, and I drove NW along road 10, downslope, in Gray's Flat, little spring here, just heard 2 Type 2's fly over, they did not stop..."

114 "crossbill coming in here @ 12:30"

117 "it's 1:14, in trees here near creek"
begging calls (poor-bad background of plane)
may just be two birds
flight calls and begging calls (Type 2) weak

145 3:24 pm, crossbill here, Type 2

4:53 no sign of those birds

E4 A Aug 31 1987 Gray's Flat

168 "those are crossbills up there" ok calls of flock, several Type 2 birds

"a hawk just flew in here and scared the birds off, looks like a ♂ Cooper's soaring above clearing..." there may have been 5 birds in flock, but I'm not sure because other species were joining the crossbills..."

---

182 7:43 pm Aug 31, just before sundown, barely light left, and I hear toops of a crossbill near this little stream.

---

185 Sept 1, Grays Flat, Lassen Co., Calif., w/ 384 + 306 as decoys..

"its clear, no sign of any crossbills"

194 "I think

---

196 "I think I hear Type 5 calls" definite Type 5 far-off

"there are 2 birds right there"

---

202 "one's a Type 2, the others are Type 5"

214 "I hear crossbills at 7:46

"they were Type 2"

"8:22" (Type 2 birds around) "3 birds" (384 calls)

"they flew right by"

Sept 1, 3:21 pm, I've been exploring area N of Hwy. haven't found too many good areas of lodgepole, and Jeffrey and Ponderosa Pine are devoid of cones, now in

84A Sept 1, 1987 Lassen Co.,

interdigitating lodgepole/ponderosa pine savanna..." "sunny, w/ thunderstorms around and smoky..."

240 "crossbill, 3:27 pm Type 2"

"384's calling loudly" - (ok, good series) 244.5 245

"the wild birds took off

"Sept 2, 1987 still by that little stream 1½ mi off Hwy 44 in Lassen Co., rained yesterday but sky looks clear"

"6:55, I hear Type 2's coming around" (384 - loud in back)
(good calls of wild birds)

264 "I still hear the birds, no sign of them"

265 "9:00, no sign"

"crossbills @ 10:12 am, I see 3 birds near here"

"those birds are calling while they're in a tree"

—calls of wild birds — some tapes —

286 loud fright calls of flock
"10 birds, going S, upstream"

"12:06, I think I hear some Type 2 crossbills around here."
2:12 pm, down Hwy, unknown locality, in lodgepole pine forest, and I've seen some Type 2 crossbills flying around

and I'm going to record + collect some of them right now

296 "2:25, and a bunch of Type 2's around"

299 "I've got 384 out"

309 good Type 2 calls - extremely rapid series - poor

332 "wild bird"

November 12, 1987 on Mt. Tam

"7:32 am, and twice Type 2 crossbills were heard flying over..."

345 "7:39, some Type 3 crossbills flying around here..."
"4 Type 3's, and a sharp-shinned hawk just dove at them, and this is 273 and 274 calling" "and the wild birds are circling, not calling

7:40 am, no sign of these 4 birds, nothing

349 "big flock, 20 birds"

"another flock" "Type 2" (359.5)

"no sign of birds now.."

372 "some Type 2 crossbills here in the trees, not flying
"flock of 10 birds about 300 yds away"
8:29 am, about 10 or more crossbills about

84A Nov 12, 1987 Mt. Tam

383 "now at 8:30, some wild birds around"

388 "this is bird 273" very weak

395 "this is 273" very weak calls
into good
273 good, some toops (402) (402.5) (405), then more good fight calls

412

420 273 good "I hear some crossbills"
"the wild birds are Type 3's"
"this is 306" - good series"
and "274"
"the wild birds are Type 3's"

"flock of siskins flying in here"

435 "here come some Type 2's, at 9:32 am"
about 17 birds - "this is the wild flock"
calls as birds go over"
"some excitement calls of bird 306 here"

447 "on Mt. Vision Rd, 600 ft. elev Type 2's
right here in the tree, they may have
taken off..."

458 Type 2's right here
273 good

21 B

40·55 [illegible]

59 testing 1-2 w ME-50 mic,
mic w/ amplif.
65

Feb 4, 1988 ABS @ 5:00 pm

getting dark, just cleaned all cells
will switch ♂ 395 with 318

87 "318 w/ 306, ... 395 will be w/ 298"

90 "this 318 here, get him in net"
nothing

98 "I've made the move, the birds are quiet w/
new pairs"

115 Chitter in cell of 318, 306

120 306 chitter - or fight calls - ok.

127 "fight here between 306 & 318"

136 306 3 ok fight calls

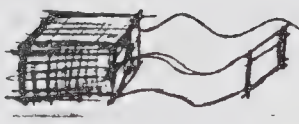
141 "how 298 + 395 ♂"

143 298 ok.

84 B Feb 5, 1988 ABS

156 – walking movements

160 – these are the calls of some small bird



Feb 5, 1988 @ ABS @ 11:20 am @
33, 59 425, 06

167 "song of 425"

170 274 <u>troops</u> – good, long series

187 "<u>troops</u> of 384 + 385" – (good, both calling)
Squeaky sound coming from 385, the ♂

213 fight here between 385 and 384..."
good, long <u>troop</u> series by 384

237 318 – good

239 306 – good, then poor

244 395 ok

Feb 11, 1988 @ 9:45 am

256 @ cell of 59 + 33, sunny, windy day

259

263 59 good singles, then more

274 59 ok

277 loops of 384 ad 385
"mainly 384, the Q"
"385 slightly hollow pitch"

286 cell of 395 + 395
395 good

294 Feb 20, 1988 — ABS
11:30

299

302

306 33 good

313 March 10, 1988 @ Hastings

318 P&T just caught 2 woodcocks

[illegible] [illegible] [illegible], 1983

333 pat just released ♀ @ house 64
nothing

---

329 trying to recording tail rattling

---

338 house # 51, just caught a baby ♂
woodrat

342 squeak calls of woodrat baby (good, loud)

351 a woodrat just ran out of the house,
must be the mother of the baby

358 there she is, perched on a treebranch

360 "that's tail-rattling there

366 "PAT's putting on the earlage"

374 excellent tail rattling

392 tail rattling in a trap

---

400 baby squealing - good
"let's try a playback

"while we played that back, the mother
came out and did a tail-rattle

84 B March 10, 1988

415 now Pat's @ house 50
"this is ♀ 2250, matriarch of this matriline"

427 Pat just released that rat", "returned to house 50, no tail.

March 11, 1988, Chew's Ridge, Monterey Co.

441 - 318 good

446 - purple finch song good ↕
318 calls, good

453 "just collected that bird, (the p. finch) and it's a ♂"

5:46 am on March 11,

461

465

470

475 318 good alarms

486 318 good alarms

493 318 good flight calls "imitating 395"
long series

510

511 "this is bird 38¢ here"

38¢ good toops

515 "this is 318"

318 good toops

318 good song phrase

"he is exciting bird 06"

06 song phrase

318 loud in back (type-like call series)

318 robust song - -
like type 4 calls
then various trills - excellent

554

555 March 11, 1988

out w/ PAT @ WOODRAT HOUSES

594 good squeal from rat

606 good squeal

609 releasing male 128¢

651 rat squeal, loud

March 12

Fanny Arnold cabin - titmouse song - good

ES A — March 12, 1988 — Huachuca

0 — 11:06 a.m. — Plain titmouse song
good song

17 — another Plain titmouse, Lambert property line

23 — steller's jay calls — good

---

37 — March 30, 1988 Huachuca mts, @ 9:36 am
425, 06 here

41 — 425 good, then pskeep calls, a single
46 — >alarm, then more flights, alarms, plus "t

52

54 — test one-two

March 31, 1988 in Huachuca 6:10 am
robins, rst's, steller's jays decoys 425, 06, al

67 — pygmy owl here - poor

72 — birds really excited, - 6 type z's"
chitter, calls

76 — here's a ♂ right here, nothing

82

89 — now they're flying around again

92 — just shot one bird w/o recording — 657

94 — good calls (94) (94.5) (95) (95.5)

96 — that was an adult ♂, al was just collected
(actually ♀)

85 A March 31, 1988 [illegible]

99 one call
104 here's the same ♀

110 here's a lone ♂
115 "here's a lone bird here" ok calls
119
120 "same bird" ok. calls (120.5) (121)) 659 ♂

122 "just collected that one, he'll be #3, the others are still here"

125 "here's a bird"
"one of the ♂'s here"

132 good fighting calls by ?

137 306 good

145
148 calls (ok?)) 660 ♀ (146) (153)
154 — better @ end
"just got that one, he'res another"

155 good series of calls) 661 ♂ (154) (154.5) (155)
"that's the ♂"

161 there's one more bird left, calling somewhere nearby

164 ok calls, into good singlees, doubles

170 loud calls) 662 ♀ (174) (175) (176) (178)

179 so that bird was also collected, now that entire frock has been taken ♂-♀, ♂-♀, ♂-♀

85A March 31, 1988 [illegible]

183 "new batteries in recorder, 306 & 425 calling"

190 425 good

200 April 2, 1988 in Chiricahua Mts, was here all day yesterday

April 13, 1988 in Santa Catalina Mts, 6:10 am

215 crossbill here (weak calls) (type 5) 6:40 am

222 425 toops, good

306 good type 5 in back

240 type 5 calls "flock of 4" in trees above the de

257 "wild bird" weak type 5 calls bad buzzing

265 some good type 5 calls

294
295 "wild birds are calling more, like they're gonna fly" some call

310
311 "still looking at those type 5's" good flock cal

320 "7:15, still a type 5 here"

325 "7:17, nothing now"

330 "type 5 here, attracted to decoys" ok calls

339 "that bird was just captured, it will be bird number 663, a ♀ L"

343 "two birds just showed-up here"

85 A April 3, 1988 Santa Catalina

348 "wild bird, a ♀ I believe" nothing

360 "wild bird just flew" some chitter

377 "its 8:34, I'm watching a ♂-♀ pair, in fact a good-sized flock of Type 5's"

387 "song of something here" good (Hutton Vireo?)
"some kind of Empidonax"

400 "still a flock of about ten type 5's"

405 good flock calls

408 toop or alarm call

414 "flock here"

420 - 490 "testing 1-2" bad buzzing

490 - more testing, 3:27 pm
still a buzzy sound from mic when amplifier attached

520 663 ok - nothing

526 663 ok

530 663 good

545 663 good

551 663 ok

557 * 663 good 558 559

562 663 ok

85 B April [illegible] [illegible]

12 - tops of two crossbills who were fighting
actually there's a flock here" some calls

23 " 7:30., just shot down a ♂ who was
not recorded, he'll be 665"
rest of the flock took off"

30 just caught a ♂, he'll be 661, others
coming down"
"birds eating snow"
70 birds fly around chittering, eating [illegible] etc
"there she goes"

82 "two birds in cages, one's in the
net, ♀'s still free somewhere"

85 good calls "that's her" (86) (86.5) (88)

88 just got her, she'll be 669"

90 "8 01 am, wild Type 5 just flew in"

93 8:12, fairly large flock of Type 5's just
flew in, they look interested"

100 "two in net here"
102 663 good (a few)

104 3 in the net total

568

572 toops bad background buzz + music

580 more toops " 584 585

594 more toops "same bird here"

611 "here's the bird, it's close-by"

619 "bird is right above me"

623 "now down on 06's cage, it's a ♂"

"right by the net, he's caught"

"he'll be 664, good toops on tape"

April 4 1968, Catalina Mts.

663, 664 new type 5 decoys here

653 testing 1-2 w/ amplifier

660 7:07, thought I heard a wild Type 5 fly over

668 many to end

ESB still April 4 '68, just heard a Type 5 fly over

4 663 one good

6 Type 5 now @ 7:18

9 no sign of that wild bird

85 B — April 4, 1988 — Catalinas

111 — "only four, now five in the net"

115 — "here's a ♂, still free

119 — "six in the net"

121 — "here's that free ♀" (425 good)

135 — 425 good

144 — two calls "now she's on 665's call" (146) (148)

149 — two good calls

152 — "♀ #2" (150) (152) (153)

154 — "just collected ♀ #2, gonna get ♀ #1 again"

156 — "♀ #1 is captured"

157 — 664 (158.5) (161)

161 — 664 ok 664 (163)

164 — 668 good (165)

175 — 672 good (3) (120.5 = 664) 668 (175.5) (177)

180 — 674 ok, good (182) (183) (184) 10

186 — 666 one good, then more ok (187) (193)

196 — 674 "ok, mixed w/ others

200 — 676 good (202.5) (203) (203.5) (204)

205 — 675 good 674 singles good (205) (205.5) (206)

85 B Aug 4, 1968 Catalogue

212 673 good 212 213 214

219 674, 675 good

223 673 ok

226 ✓676 good

675 good

231 675 good 234

237 one of the birds just get away, I'll have to shoot it down"

237 677 alarms, good 237 237.5

241 667 nothing

242 677 nothing

245 677

248 677 some good

251 677 ok

256 677 ok, singles

260 nothing

266

269 667 one

271 667 one

274 667 two 273, then one, then two 276

278 677 nothing

281 667 good 280.5 281.5

"made a mistake, 667 was actually 677", reversed

85 B April 4, 1988 Catalinas, Ariz

290 667 (real one, ♀)

294 667 good 294.5 296 302 304

304 667 more good

308 667

313 good Type 5 calls, lots of birds, long series

408 672

410 675 alarms, good 412 412.5 413

417 668

421 677 alarms, good 421 422

426 674 one ok alarm 425.5

430 664 alarms, good long series 432 433

436 676 fright calls, good

444 misc. bird songs (Mt. Chickadee?) near

April 7, 1988, near Mt. Union in Prescott Nat'l Forest

486 junco song — good

498 just collected that bird; will be JGG 597

April 8, 1988 near Williams, Ariz.

512 April 18, near Chiloquin in Oregon
274 and 306 as always
just heard a type 2 crossbill

520 "a minute later" good calls of wild bird

535 good calls of wild bird (533) (535) (537)

545 "that bird was collected, will be 678"
Coll # 601

561 945, crossbills coming in, Type 2's

566 i don't have a net set up, birds are
here...

577 calls of various birds around the truck

"seven birds, taking off"

618 April 19, 1988, still near Chiloquin,
rain today
moderate to poor cone crop

EE A

Chiloquin, OR

April 20, 1988

0
1 - "9:25 am Apr 20, w/ 306, 274 as decoys."

4. "11:17 April 20, type 2 crossbill fly over"

6 306 chitter

13 306 ok

14 306 + 274 - good, into o.k.
22
23 -

END OF TAPE

87 A June 29 1988 Sagehen Creek, Calif.

0 - "Tape 86"

1 parking lot @ station; decoys 06, 306, 273, 425
10 group of Type 2 crossbills here in the lodgepole pine
crossbill is in song here -- ♂ singing here
at the station, ♀ with him

13 @ Prosser Creek now

15 wild Type 2 singing here near camp, exciting decoys
plus new bird #679

17 song - ok (to poor, but sonogrammable)

23 more song - same bird as above
30
31 more song - same bird

34 "birds coming down" some song - ok

54 more song

54 more song - same bird
57 more song - continued - ok - good

88-90 more song -- incl. call note-like phrases
100
101 — 103 nothing

104 "bird's down low, looking at decoys"
108 "now on cage"
109 "continue recording" chitter
112 rush bird (4 ok flight calls) (112)
114 "got that bird" = #680
115 good 680 distress & alarm series
119 good 680 alarms (118.5) (119), more distress
122
123 "late in afternoon/ June 29, 679♂, 681♂, 682♀
128 "wild x bill here in camp" on 682's cage

131 tapes up "by 682"
133 682 - good
138 "there goes the wild one" (138) - ok calls
140 "pointed at wild one -- now it's on 681's cage (some chitter-like notes) (144)
145 "just collected that ♀, she'll be #683, meanwhile, there's a wild ♂ here (Type 2)/ still singing right here"
148 682 good bird noise?

87A
June 29

June 29 1988

Prosser Creek, Calif.

154
155 679 good (155.5) (156) (156.5)

161 wild bird (ok calls)

167 "I think there are two wild birds here"

170 song of a wild bird - ok

178 682 good (noise not as bad) (178.5) (179) (179.5) (180)

183
183 "later afternoon now...."

186 "I saw that bird, an ad ♂ type 2"

190 —squeal!—

192 "I see that bird, perched right near here; wait for some calls, will wait for a shot..."

198
200 2 calls - "that was him" (200)
202 6 or 7 calls - ok (201) (202)

204 — nothing recorded
↓
214

216 "wild bird in flight" -
nothing
↕ bad buzz

223 "there's a ♂ coming down here", there's 2 ♂'s sitting here

225
229 "there goes one of them" - some ok

230 — 246 nothing - microphone trouble

274
June 30 1988 Prosser Creek, California

246 "we got two of those ♂'s ...

247-258 (more noise) nothing

259 "♂ eating grass here..."

262 group of 3 ♂'s here in 2 ♂ in net, now a 3rd here ... that was him giving fight calls - (some ok)

269 425 good "wild" one call (269)

273 wild - 2 good (273.5)

275 425 good (279) (279.5)

281 wild - 2 good (282) (282.5)

283 the one just banded gave some songs and flew nearby, meanwhile one bird who was in net escaped, he's down low fluffing"

288 I just shot bird who called the first time, he's hit but in tree branch, meanwhile several type 2's coming around.

295 now 6:30 am June 30, number of wild rbills around

one just shot = 685, one in net = 686

300 Song of ♂ in top of tall fir

310 more Song (good) "of same male"

317 calls of bird

321 "that bird took off to N about ¼ mile"

87A June

June 30, 1988

Prosser Creek, Co

323 "wild Type 2 coming in"

327 "7:00, wild Type 2's coming in from E
"song 300 yd E of netsite" (bad airplane noise)

343 "now it's about 7:30, mate singing here in top of
of red fir...

348 excellent song ↓

306 good
364 425 good

"wild bird bounced out..."
"now it's on ground..."

378 a Call - "that was the bird flying low...."

382 good call series

386 "just had a crossbill fly in, red ♂, now 50 ft. up..."

394 "there's more than one bird here..."

399 song of wild ♂

402 425 loud, good

407 "a number of birds are coming down..."

411 "♀ on approach perch"

418 "here's a ♂ about 30 ft. up..."

425 "some chittering"

429 "one of these ♂'s is foraging on some kind of
sunflower on forest floor..."

87A June 30 1988 Phoenix Creek, Calif.

425 good

437 "just captured that ♀, she's in net..."

445 "caught 2 of birds now..."

456 a few calls of wild bird

459

463 good calls "that's him..."

467 good calls (466) (467) (468)

469 the first two birds will be 687 ♀ 688 ♂, the last bird was collected and he'll be 689, 166 612, and he was also photographed

476 8:46 am, wild xbill here giving song near camp
good song of wild bird {long series

510 9:32 am, there's been a wild xbill around for awhile..., also 687's been calling

514 good Typ 2 series: "this is a wild bird, two of them..."

522 681 good (524.5) (526) (526.5) (531.5)
536

681 handling

540 one alarm (541), then distress series

87A June 30 1988 Prospect Creek, CA

551 "wild bird coming in now @ 9:45... there's a pair right above the website w/ type 2 calls..."

564 ♂ is giving soft song here w/ buggy phrases"
some ok song

573 "pointed @ ♂"

576 "this is the ♀ actually" some good (577) (580.5)
including buggy phrases

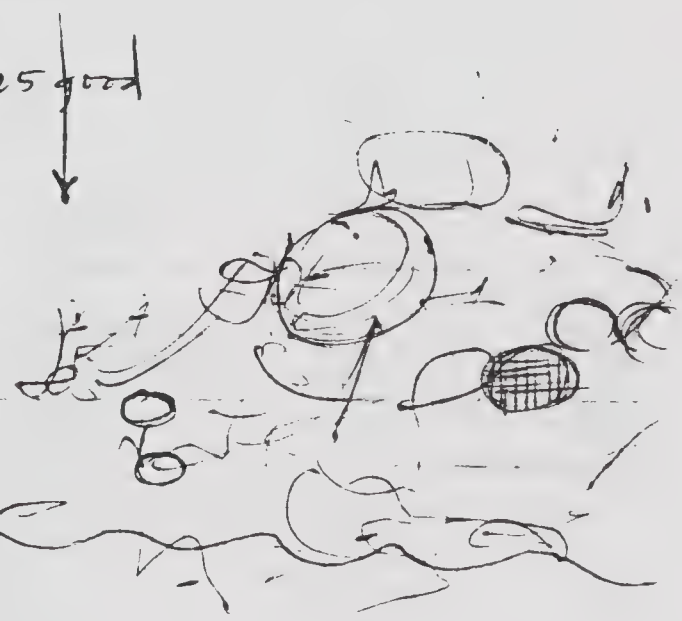
602

"just collected that bird, it will be 690"

609 other bird is calling now

613 "one's way down"
"10 ft. above ground

425 good



637 song phrases + chitter — ok
"it's a ♀"

660 good song

670 more song

678. more song to end

87B

0 — that bird flew up from 655's cage

— 425 good
"meanwhile another bird (Type 2) just flew over..."

8 — "chitter there" OK calls

15 "she's got a piece of grass in her bill..
"she dropped the grass, and he was playing in the pine needles

87 B June 30 1988 Prosser Creek, Calif

22	bird flies up – some calls
24	ok calls
27	"she's 12 ft. above ground in a tree..."
30	
32	two good, then more.... (032.5) (33.5) (34) (34.5)
35	"wild bird" good
36	"collected that ♀, she'll be 691, and meanwhile a lone ♂ flew in, now fighting w/ 688 on his cage..."
41	
44	687 good (45)
50	687 good (52) (55)
59	
60	687 good
	"I'm gonna walk to wild ♂ to get flight calls"
64	"wild bird" some good on takeoff (64)
68	"here's that wild one"
69	"wild" ↕ some good (70)
71	"wild"
73	loud calls "wild one" (74) (74.5)
75	"that bird was just collected, =692"
77	now 12:33 on June 30 testing 686 and 688

87 F — June 30 1988 — Prosser Creek, Calif

71	686 ok	
85	686 ok - good (865) (88) (89)	Some mic. noise
89	686 "high pitch"	
92	686 ok - good	
96	687 good	
98	686 good	airplane noise
102	686 handled - nothing	
105	687 handled - nothing	
109	back @ field station, testing 688	
112	688 - one	
114	688 - three (114)	
115	688 - one	
117	688 - four	
119	688 - good singles, some doubles ... (125) (127) (12	
132		
133	July 1, 1988 @ Prosser @ 6:47 am w/ 688 at decoys	
137	"wild x6.11 @ 7:03 ..."	
140	some calls - ok	
143	"two birds" "both o's"	
148	"just caught one of the birds" "another is free "there he goes" - good calls " I still see him"	
157	"approaching wild bird"	

87 B July 1, 1988 Lassen Creek, Calif.

160 "here's that wild bird" – ok calls

176 ↓ hawk here

180 "I think some other birds are here,
(two birds described)
"all birds took off"

194 "captured ♂ = 693"

197 "wild bird" – ok calls

200 693 – good (200) (201) (201.5) (201.75)

208 song of wild bird – ok, distant

221
223 more song (same bird) } ok, distant

247
248 more song (same bird)

270

273 more song (same bird)

275 calls ? in song

280 more calls – good, long series

285
290
293 in flight ... "bird just flew away..."

297 7:57 wild bird here @ same perch,
probably same bird..."

song – ok.

320

87 B July 1 1988 Prosser Creek, Calif.

322

339 good calls "wild bird

344 "number of birds here..."

347 "♂ singing in circles in flight" - good song

356 "wild xbill here @ 9:28"
"song flight"
"it's coming down..."

Chitter

384 "just flew..., there it goes..."

385

394 "wild bird giving soft song..."
[illegible]

400 "I hear a crossbill quite distant.."

406 "I now hear type 2 loops..."

410 "wild bird now @ 9:41..."

414 some ok calls

417 ok calls $\boxed{= 694}$

421 ok calls - to good (422)

425 wild bird good (425) (425.5) (427.5)

429 "took a shot @ a wild ♂"

433 "wild" ok calls? (433) (434)

435 decoys call

450 "that's her..." ? (450) (465) $\boxed{= 695}$

460 "wild" some calls - ok

478 "that was the ♀, she was collected, so both birds collected
out of that pair..."

87 B July 1 1988 Prosser Creek, Calif.

480 10:01 wild xbill ♂ here singing songs above the camp...

487 "wild bird" some ok

490 "wild bird" good singles

airplane

503 "starting to come down"

506 "wild bird" ok

"this is the upper one, lower one is coming down"

nothing 425 in back
06

523 "still a 3rd wild bird"

526 "he's coming down too..."

532 "not sure who this is...
wild bird calls

536 good calls from unidentified wild bird
"don't see it in high treetops" (537.5) (538) (542)

545 "that bird just came down, it was the ♀"

547 "that bird was collected = #696

549 "decoys excited, wild bird coming in..."

554 wild bird probably a ♂..., see it here in top of trees.

561 "crossbill ♀ just been captured
"another type 2 flew away...."

87 B July 1 1988 Prosser Creek, Calif.

567 693 – good alarms, some distress (568) (570) (571)

582 "crossbill around here, giving song...
some song phrases

687 nothing

592

593 "1:52; that bird gave a few more calls and disappeared...

597 7:27 pm xbill in song ~~[illegible]~~ 150 yds from campsite... another type 2 nearby."

620 ~~song~~ some calls, songs of wild bird

"there's two crossbills around
630 more song (poor because of noise)

633 "test one two."

637 "2:49 pm, xbill here singing ...."
some good song... "inflight" for many

668 "now the birds right in the trees above camp
more good song 425 in back

684 July 1, 1988 Prosser Creek, Calif.

0 2:35pm, there's been a wild crossbill here on end of last tape ... this is him again in pine above camp

4/5 good song
more good song

14 flight calls ... "...another wild bird flying around here..."

21 "this is him again..."
more good song

31 now that bird is giving flight calls as another wild bird comes ... second male comes in giving flight songs...

38 "I've been doing some playbacks as another wild xbill comes in from somewhere..." "no sign of bird..."

mic
noise
N

42 .. back at field station now @ 6:57 pm... testing 697 ...."

45 July 1 again, 8:30 pm, here w/ 697 for tests, Julie + I are searching for s.s. pest

50 "July 2, trying to test bird 697..."

51 697 singles (2) (51) (51.5)

55

E&A

July 21 1988

~~Arcata Creek~~
Sea Lion Point

56 July 21, 1988, near Sea Lion Pt, Lane Co, Oregon @ 7:30 am. It's a foggy, cool morning. Out w/ 425 + 306 as decoys. There were 3 type 4 Crossbills in Florence, Oregon, a few minutes ago. No sign of Xbills here @ helicopter pad.

65 July 22, 1988 @ dawn, Baker Beach road... not set up w/ 425 + 306. There were no Xbills yesterday at so far no sign of any...

71 8:30, just caught two Crossbills, didn't see it get captured ... ♀ looks ready to lay an egg very expanded lower oviduct

71 another Xbill coming in right now.., type 4, (306 c.

82 698 singles - ok (82.5)

90 698 weird soft twyyes

98 nothing

101 698 nothing

105 "wild bird" ... "I see a pair here" chitter

112 calls ... "there's three of em..."
buzz — bird nips

117 cedar waxwing calls
"the wild ones are type 4's ... not sure of species...

122 698 ok

130 one of the wild birds just gave a song phrase...

425 "three's"

EEA July 22, 1988 Baker Beach, OR

138 "wild bird" ok soft song 306 calls in back

142 "flight song" load, good

149 "those three crossbills just zoomed out of here"

153 425 good

154 "I see one of the wild birds in a tree"
good calls "wild bird" (type 4)

"I hear another type 4 off to my right..."
"that one just took off..."

167 "those birds just came in, same ones, two just over my head..."

169 "I saw 3 birds fly away... maybe gone for good..."

172 "I still hear one here..."

175 good calls -- I see two orange birds, right next to camp but not shootable..."

181 "here's a ♀" good calls (type 4)
lot's of type 4 calls

196 "those 3 have taken off... I couldn't get the ♀"

198 698 nothing

204 698 ok - good

206 699 nothing

BBA — July 22, 1998 — Baker Beach CR

211 — 699 good — (210) (211)

214 — 698 ok-weak

220 — 698 good — (222.5) (223.5)

228 — 698 good — (229)

232 — "type 4 here" no recordings

237 — 699 – good alarm series — (236.5) (238)

July 23 1998 dawn

264 — "crossbill just arrived..." chitter "singing on way in..."

269 — "don't know what happened to that crossbill..."

273 — "the birds may be going down

277 — "one of the birds..." good calls "it made "it may be a juvenile based on the caller..." "it just flew away"

285 — "there's a type 3 crossbill coming in now..." good calls "I love type 3, not sure what sex"

292 — 2 good "wild bird" — (286) (287) (287.5) (288)

293 — more wild calls

300 — more calls

308 — wild song – ok, then chitter

313 — captured first 9, she'll be 100

88A July 23, 1988 Baker Beach, OR

317 another crossbill coming around, sounds like a type 3 ...
"no sign of it"

327 start recording again on July 23, now I'm up on
the Cascades on E side..., near Hwy 58
near crescent creek, in lodgepole stand

334 little farther in forest -- type 5 here...
good calls... "good flock..."

343 "here's a wild bird"
good series of calls (Type 2)
"there he goes..."

350 "July 24, 1988 @ Odell Creek, 1 mi. from Dave's Lake,
@ dawn... decoys are calling..."

358 "minutes later, some Type 5's coming in..."
306 good...

366 wild calls - ok
306 good

375 chitter

380 "just captured that bird, he'll be 701, ♂, 1 one bird"

384 "type 2 bird" good calls, into song
"some Type 5's coming in as well - up to 4"
"type 2 still here

395 a type 2 Xbill just flew in

EEA July 24, 1988 Odell Creek, OR

400 good calls of wild bird (Type 2) always loud

408 "there's a pair..."

414 "at least 3 adults there, they're coming down..."

420 "pair right above truck here, that was the ♂ fluttering down...
"another ♂" excellent song "displaying to ♀..."
"caused a fight..." "birds are fighting, interacting in low tree."
"this is a ♀ @ the first pt.
good calls

451 "a bird just got caught -- a ♀..."

459 "a ♀, near Tel's cage..." nothing

468 "here's one of the ♂'s ... chatter-into song

475 good call series "that was the ♀"
more good calls

492 here's another bird - good calls, "it just took off..."

491 "big fight there by some birds

498 there's a Type 5 here...

504 some weak Type 5 calls (509)

513 "wild bird" loud (512.5) (513)

514 "get that bird, he'll be 705..." "no 701 is in..."

518 701 good - chuckles (520) (530)
533

EE 6 July 24, 1988 Odell Creek, ~~Calif~~ OR

534 701 – (2) good (535) (543)

539 706 alarms – good, long series (538) (543) (544)

547 "later in morning, lone Type 5 around somewhere..."

553 ~~[illegible]~~ alarm calls (555) (555.5)

"chased by western tanager..."

563 "not calling now, ..." "tanager swooped at him.."

583 flight calls "there he goes"

587 some ok singles, then no tuning 425 good

595 some singles – ok

600 singles – better 425 loud in back

605 more singles, doubles – ok (603)

614 "back on 701's cage..."

good calls (?)

628 "perched now right above truck

better calls (629) (630) (632.5)

637 continues – some calls.

639 just got that bird, he'll be 707

647 "lone ♂ here, not sure what call type..."

648 some calls – Type 5 – "it's a ♂–♀ pair..."

659 "here's the ♂," (some ok)..."

669 "male futtering – chitter

673 ♀ good (674) (674.5) (675)

88 A July 24, 1988 Odell Creek, ~~Cliff~~. OR

676 good calls "make. (676) (677) (677.5)

680 " just got both these birds — ♀ 708, ♂ 709"

682 701 good alarm - 1 (682)

END 88A

88 B

88B July 24, 1988 Odell Creek, Oregon

2 - getting on more now, testing birds 702, 703, 704, 706, & 710..."

5 - 706 nothing

6.5 706 one -ce

10 706 one good (10.5) (12) (12.5)

11 706 good

15 706 one good (15)

18 706 one good

20.5 706 one good (20)

22 703 good

27 703 good (26.5) (27)

30 704 singles

32 704 (2)

34 704 nothing

702 nothing

37 704 nothing

40 704 nothing

41 704 good (41) (43) (45)

50 702 (20c) 704 in back

EE B — July 24, 1988 — Odell Creek, OR

53 — 702 — some good (54)

55 — 702 — nothing

59 — 704 on side

702 — some good (60) (61) (62)

64 — 710 — nothing

67 — 710 (1) — 704 good, loud

72 — 706 — alarms, good, also distress (71.5) (72) (74)

76 — 704 — alarms, loud (79) (79.5) (80)

83 — "wild x bill here..." "q here in the fire..."

90 — "birds are here right above stream -- have had them drink..." "♂ + ♀ in the fire"

101 — "calls of the ♂" good (Type 5)

"it just took off..."

"710 here just gave a few calls..."

111 — "3:35, ♂-♀ pair here @ camp...,
♀ begs to mate!..."

118 — 710 one

119.5 — 710 one

121 — 710 singles, into good (121) (123) (124)

129 — "wild Type 2 pair just flew off" good calls

710 good (132)

134 — "4:00 pm July 24, x bill here" weak song
good song series

148 — call notes — good (148) "that bird just flew away"

EE B July 24, 1988 Odell Creek, OR

"here's that bird again" - good calls (154) (154.5) (15

157 "that bird was just collected, he'll be 711

159 "July 25, dawn, 6:45, type 2 bird coming in..."

162 "wild" - 3 fl calls, burst series

171 one fl. call, then more beeps and flights

176 beeps, flights

180

181 "now a type 5 @ 6:50"... some ok calls
"guess that bird flew away."

189 "type 5 pair above track..." some ok calls

194 chitter of wild birds

202 "that was the ♂"

206 more chitter

210 "Type 2 coming in, pointed now @ female type 5..."
some ok calls (211) (212)

216 "that's her..." good calls (216) (216.5)

219 "just got the ♂ type 5, not sure when the ♂ is"

221 "♂" good calls (221) (222) (224) (225.5)

222 more good calls

228 "just got that bird.." "he'll be 713"

230 "7:30 or 8:00, a bird (orange ♂) just captured
and at least 2 other Type 2's around here.."

88 B July 25, 1988 Odell Creek, OR

237 "last bird captured = 714, now in cage...
"still 2 or 3 xbills in trees..."

241 "here comes a Type 2

243 "wild" good series
then nothing

249 more good calls of same bird

256 more good calls, intermittent

260-270 - silent

273 "wild" good (3)

275 "that bird" some good

284 "wild bird" more singles, doubles

289 "looks like a ♀..."

292 "that birds' still around, just took off...

294 "I've tried a few playbacks, couldn't get that bird to come back.."

295 "wild Type 5 here..."

300 "that's him" - some ox calls [306 good]

306 more ox calls

307 "bird just took off..."

309 714 good 306 loud (310)

314 (316) (317)

322 "Type 5 coming in now" 714 good (325)

EBB July 25, 1988 Odell Creek, Oregon

328 " Type 2 coming in at 2:00 pm, that's 306 there.

332 "wild bird" - some ok

337 "still a wild type 2 here" - some ok calls

341 "here's that wild bird again" - none ok

348 "that bird just flew by...." none good - ok

350 some ok

355 "wild bird's still around in dead lodgepole..."
some ok calls, into song-like series - poor

370 "wild bird" - ok to good calls (370) (371) (371.5) (37

375 "just collected that bird, he'll be 715" (373.5)

378 "Type 5 cassin's here @ 6 pm..." some ok

385 "wild one call"

390 "looks like a low ♀, she's drinking now..."

394 "just flew up"

395 "wild" some ok - good

---

400 July 26, wild Type 2 ♂ here

402 "here's that bird..." loud song
"there's another one with him..."

410 "that ♂ flew around here awhile, that must be the ♀ in the net..."

422 "male chitter..."

427 "♂, song phrases" - weak, soft

433 that ♀-like bird will be 716

437 there's a type 5 singing songs excellent buggy!

EE B July 26, 1988 Odell Cr. Oregon

444 there's another Type 5, the type 5 just gave one flight call

451 "there are lots of crossbills around now, sightly songs" more good song

"just caught a bird"

460 "that last ♀ will be 717, lots of crossbills around!" "both Type 2's and Type 5's"

"think I might have heard some Type 4's coming in"

469 717 a few good, then nothing (467.5) (474) 425 loud

480 excellent song ("Type 5 male")

long series

555 good calls

"two ♂'s there, fighting..."

565 some good singles, then more

600 more good calls (601) (602.5) (604) (605)

609 "that ♂ is coming down, giving little calls"

some soft calls, song

632 "that ♂ was just captured, he'll be 718"

88 B July 25, 1988 Odell Creek, Oregon

633 some call-like song (634.5) (636)
"another type 5 here"

641 more call-like song (641.5)

645 just collected that bird, it will be 719, and there's another type 5 that sounds just like it here, maybe this bird's mate..."

89A July 26 1988 Odell Creek Oregon

0 716 - one, then nine singles - good (2.5) (2.75) (3) (6)

9 "willow Creek, Warner Mts of Oregon, type 2 x6.11 comin
some ok - good calls (type 2) 306 if back

19 "here comes a wild crossbill...."
some good calls ... "two wild crossbills here"
"birds are together in top of lodgepole" "425" — loud in bar

33 "these are the wild birds" - some ok calls

38 one of the birds in a lodgepole near her
some ok calls
"flew to different tree..."

44 "birds are moving short distances from tree to tree..."

89 A July 27, 1988 Warner Mtn., Oregon

46 "here's one bird" – some good

"Robin + bad truck noise..."

54 "one of the birds by itself" – some singles

"just joined by other -- to nearby tree"

59 "here's one of the birds" – good series

425 good, + tree

64 "more type 2's around"

66 "one bird by itself, not sure if calling.

68 here's the other bird, high in the trees – OK calls

truck in back

76 "just captured one bird – orange ♂ 720, meanwhile at least one other bird around

78 calls

truck in back

81 calls

82 one, then

84 nothing

86 loud calls, good series (88) (89) (89.5) (91)

94 the last bird got mixed up with another type 2 who flew in.., just caught a bird

97 "it's a ♀, she's young-looking, another ♂ also here"

89 A July 27, 1988 Warner Alta, Oregon

99 "here's that ♂" some good (100) (101) (102) (102.5) (107)

108 now he's on 720's cage.

110 put 721 in 720's cage, now that ♂ is calling from above netsite... nothing now...

115 he was just captured

116 that last ♂ will be 722

117 722 - good alarms (about 22) (119) (120) (123)

124 "wild bird here" (Type 2 calls - ok)

135 "wild xbill here, much later..." "about 10 o'clock now"
"wild bird" poor - ok calls (Type 2)
306 good singles

147 10:45, a number of xbills around, maybe 2 or 3, at least one of ♂'s in song

151 720 + 306 - good

154 720 one 306 good

155 720 good
then nothing

160

161 306 good

165 306, 720 singles

168 720 - more doubles, good (170) (172) (173) (175)

171 groups of four - 720

176

89 A August 13, 1988 Zuni Mtn., NM

178 9:00 am, w/ 425, 306, at 384, sunny, no xbills here in middle of ponderosa pine forest

186 "think I heard wild Type 2 xbill here"

187 "later afternoon, 5:25, John T + are camped out at headwaters of 6 mile Creek on forest road 164 near McGaffey, there are Type 2 xbills around here, toops + songs by some birds

193 5:50 here come some birds
good calls – decoys (384)

198 "wild" – some good
"it's gone"

205 "Type 2 coming in"
384 – 306 good
"I still hear it across gully"

"wild bid" – very poor

218 some tooping – poor

221 then calls – OK series (Type 2)

228 tooping now

233 "bird coming in here" some ok

240

241 xbill here in a juniper – see silouette
"pointed at bird" – nothing

89 A August 14 Zion Mtn. Cove Mexico

258 – "pointed bird in juniper" – "there it goes" some good

Aug 14

260 – nothing – mic almost off

276 – some recordings "wild birds" – – still pretty dark out, birds in tall dead tree

283 "two wild birds calling from treetop" some ok – [3,84 loud on side] more good wild (Type 2)

295 another wild bird "there goes the pair, they've joined a 3rd bird and are going down canyon

303 now a ♂ in song, plus tooping

305 "wild bird flying over" – some good

310 "wild bird who was in song ... here he comes"

315 "three birds flying over..." some good

329 "lone bird" some good

326 "wild type 2's around"

329 "wild" – poor calls

335 "wild crossbill" – some ok

339 "wild bird here" – nothing

350 chitter... there's a pair actually

354 just captured that ♀, she's hanging in net

891 August 14, 1988. Zuni Mts., New Mexico

359 "pointed at the ♂.."

368 "got a ♀ in net. ♂

372 "meanwhile others are coming in"
nothing from 1st ♂

380 "another ♂ is going down..., pointed at him..."

386 calls of that ♂

388 "just caught that ♂, looking at mate to ♀"
4th bird in ponderosa pine.."

396 the ♂ just flew to other crosshill,
some calls --
first male still here...

407 mate to ♀ calling

411 "4th bird" - ok - good

417 good series

421 "xbill #4" - some good in fright
mated ♂ in tree not calling..."

432 some good

438 good calls -- "they took off"

442 deep-voiced ♂ ~ good

449 that bird took off
birds captured = 723 and 724, 725
pain

456 here's a mild bird - good

459 460 461

89 A
[illegible]

August 14, 1988 Zuni Mts., New Mexico

460 "that bird was collected, we'll be 726..."

462 "there's two birds"

466 "pair here - frying low in trees..."
"male 2" - good ...
"male 1" - good

476 "here's a bird" - good
"he's taking off..."

493 "wild cusstill, dead tree..." nothing

497 "second bird's a ♀", she's in some oak shrubs near captives...

510 some calls

513 "pointed right at her" some good (520) (522) (5

533 just collected that ♀, she'll be 727

536 "lone ♂ here, now giving song" ok song

540 "♂ in top of dead pine" "that's him" - poor

556 - "wild bird" some ok (555) (557)

557 soft, poor calls (563) (567)

570 some poor - ok

576 "just collected that bird, he'll be 728" (582) (583)

589 725 good (589) (590)

579

89 A August 14, 1988 Zuni Mts

603 725 distress series

607 x 6.11 here in camp giving song
calls – good

618 "that bird just flew a ways away..."
more calls – ok

624 "now he's gone..."

628 another bird singing in tree
good song

646

648 723 on (659) 724 (655) 723

650 723 some, 724 some

655 723 good "both birds"

660 724 nothing

665

[89 B – nothing – blank tape]

90 A — August 14 1988 — Zuni Mts. New Mexico

0 — Aug 14, 6 mile canyon, Zuni Mts., Type 2 ♂ in treetops above me

4 — "wild" - good series (4.5) (5) (6)

10 — "testing 723 & 724..."

11 — Song phrases of last wild bird..."

12 — "just collected that bird, he'll be 729..."

14 — "wild birds coming in now..."

15 — "384 calling good..."

19 — 724 good (20)

23 — 723 nothing — 724 on side

26 — 723 one

27 — 723 one

30 — 723 one (30)

31 — 724 good series (31) (32)

33 — 723 nothing — 724 in back

34 — 723 one

35 — 723 one (35)

39

40-41

42 — 723 nothing

50 — 723 one

51.5 — 723 two (52)

53.5 — 723 one

90 A August 14, 1988 Zuni Mts.

57 "wild bird in dead tree, not calling..."

59 "wild" some good singles

65 "& just got caught in net...", "her mate is a yellow one up in juniper... pointed at ♂..."

70 some weak calls

78 some ok - good

80 "wild" good (82) (82.5) (84) (88)

↓

"female in net will be 730"

91 "just got that ♂, he's 731, the ♀ = 730"

93 "wild bird here at 3:00"...

94 "wild" - "730"

730 good (100.5)

"wild" - some 730 (101) (102)

102 730 good

"wild" good (105)

107 "wild bird again..." some good (106.5) (109)

109 "wild bird was collected..., she'll be 732"

111 730 good (112)

9C A — August 14, 1988 — Zuni Mts., New Mexico

113 4:30 pm, a number of skills just stopped-by, the storms are on horizon... decoys are calling..."
"there's a sibling of"
some good song — in flight "wild"

138 good song continues
147 some calls
151 some calls + song - good " (157) (158)
158 calls - good
163 "he just got caught in the net..." (162)
164 "he'll be 733..." distress series
167 "there's another wild bird in treetop..."
171 good calls
173 "there she goes..."

August 15, 1988
6:30

176 " 384, 306, 425, so far I heard a type 2 skill fly over...
179 "7:00, at there's a wild bird here..."
182.5 "wild" singles (2)
185.5 "wild" - one
189 one
191 "wild bird song" - one phase, then more... 306 good, 425 good
201 "7:03, that bird's still here giving songs.." (214) (217) (217.5)
220 some song, then calls - good

90 A August 15, 1988 Zuni Mts., NM

220 "that bird flew to tall ponderosa pine and is giving song from there..."

225 "just collected that bird, he'll be 734..., meanwhile, here's another...

228 ok - poor calls (wind noise) 230 231 232

233 "just collected that bird, he'll be 735"

235 "8:00 now, there's another wild one"

237 "that's him" - some ok 243.5 244 ~~245~~

248 "just captured that bird he'll be 736"

250 "here comes a wild bird..." some ok
"that bird's gone"

253 "there's a yellowish-orange ♂ here.."

258 "that bird just flew up to juniper" "wild" - some good

264 "here's another wild bird"

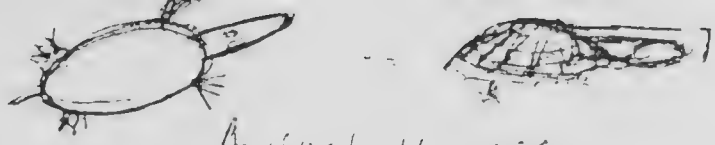
266 "here's another wild bird"

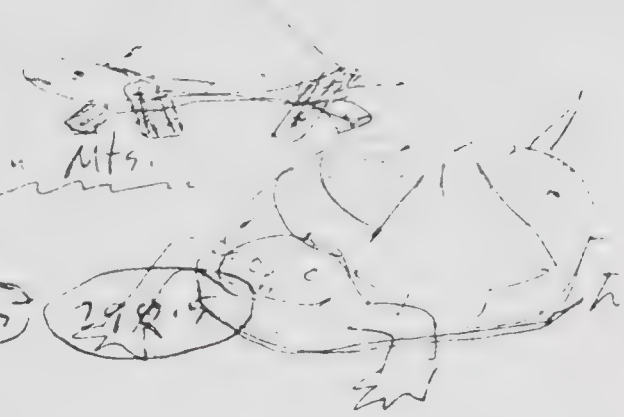
270 "here comes a couple of 'em.."

274 "here comes a wild crossbill.."

278 "wild bird" some good, with song

288 "different bird" -





90 A August 15, 1988 Zin Mts.

296 "wild bird" some ok 297.5 298.5

298 "

305

312

some calls

320 more calls 320.5

332 "that bird was collected, its a juvenile, 737"

333 "wild bird" - some poor - ok 347.5 348.5 351 radio noise

352 "collected that bird, she's a ♀ = 738"
"meanwhile the ♂ is here in song..."

some good song

365 - calls

bad wind toward end

410 "infright" - loud

more song - good

444

444

449 "that bird was collected, he'll be 739..."

459 "wild bird" some good

463 "two birds"

467 "wild bird here, 3 Type 2's passing..."

---

473 Aug 16

474 "wild" - some ok, good

481 "wild bird coming in..."

490 "here comes a bird... 2 birds" 38 good

90A August 16, 1968 Zuni Mts., New Mexico

510 "wild bird coming in..."

516 "that's it" – some good (518)

"it's a ♀" "right above 306"

425 tree – good

529 fighting call by 306

Chitter by 425

306, 425 good

wild bird flies around cam?

574 "that's here" – one call (575)

575 "that bird was just captured, now there's a ♂ here"

good song, long series

624 calls – ok, good

631 "bird just flew to distant ponderosa"

634 "that bird took off and is around somewhere; meanwhile there's another in dead tree..."

639 "♂ + ♀ in dead tree..."

643 "here's the ♀"

some ok, good singles, then good

653 (661.5) (662)

660 "wild" – some good (663) (663.5) (664)

665 just collected that bird, will be 741..."

90 B — August 16, 1988 — Zuni Mts., New Mexico

0 - "there was another bird with 741, no sign of it..."

4 - "wild bird coming in"

6 - "wild" - some ok — radio noise

"flying way over..."

11 "different bird" some ok - good

15 "crossbill" - poor

18 "wild bird"

19 "wild xbill giving song."

21 now SE of original campsite on McKenzie Ridge, just off 503, wild bird here, ♂..., actually 2 birds...

29 "birds localizing...." (Tape 2's, take off)

33 "7pm, wild bird coming in..." some poor

42 August 17

43 "two birds coming in..." - some ok

"bird #1" - good

49 more good

52 "these birds took off

54 "wild bird" - some poor

"just flew low to another tree..."

69 "a pair here..." some ok, they take off

90A — August 17, 1988 — Zuni Mts. New Mexico

74 "wild" - some poor

80 "back at camp #1 late in afternoon..."

8 some ok

"male and a female"

86 "pair is still around"

89 "in middle of canyon..."

ok calls

102 "wild birds" - good

104 "some other birds coming in..."

117 "pair"

102 "there he is..."

115 "pointed at male..."

117 "wild bird now..."

121 some ok "wild bird..." (121.5)

133 Same bird or song in pine in canyon..."

- poor - ok song

143 good calls (143) (143.5)

145 "that bird was collected, half to 7:42..."

148 "wild birds"

151 "still a 3rd bird"

↓

168

90A Sept. 18, 1988 Mt. Tam, Calif

171 Sept 18, 1988 Mt. Tam w/ clip and 306 w/ Tom Hahn, some type 2's flying in gulch

179 "hillside above Cascade Creek, no sign of any more crossbills, 306

~~185~~ bad tape ↑ 306, type 2 in distance

197 "there they go..." bad tape ↑

205 306 good

209 "here comes a ♀"

212 306 good

220

226 October 2, 1988, Bonfoot Park in Chiricahuas near evening, nets w 38t, 306, 59, al 425 Moderate cone crop on Apache Pine, little bird activity, weather looks real good, sunny evening...

231 October 3, 1988, at dawn, clear morning, so far no crossbills

234 "wild crossbill here..."

237 good calls "two wild crossbills in big dead pine..."

252 louder calls

254 loud calls

259 took a shot but out of range, they flew to above nets...

264 "wild bird" some ok

90 B Oct 3 1988 Chiricahuas

273 "wild crossbills @ 7:50 am..."

276 " in tree above net..."

285 "at least one red one..."

288 "pointed @ wild birds, that's 425 & 384..."
425 good

294 some ex calls

299 " red ♂ on branch, not calling...
"wild" chitter
then some calls...
"some are going down low..."

328 more chitter

331 "birds low in Apache pine..."

337 more chitter in "looking @ red ♂"
"from just frew to big tree again..."

344 "all sitting on corral..."
"got one, got two..

353. just captured entire flock, Type 6's"

356 745 ok

362 743 nothing

367 743

370 745 good (37r)

383 745 more good

90 B — October 3, 1988 — Chiricahuas

396	743	nothing
401	743	nothing
408	745	good (411)
416	746	nothing
417	746	one
422	hauling	745 – distress series ...
440	746	nothing
441	745	hailed – distress series
451	746	distress
466	744	distress
477	743	distress
488	746	distress
494	743	some OK
499	743	some good
515	744	OK, some good
535	743	good (537) (538)
542	744	nothing
547	744	good (546) (547) (548)
553	744	OK, weak
560	744	OK
574	"just put 745 and 746 separately w/ decays.., trying for tropics..."	

90 B October 3, 1988 Chincoteas

580	743	distress
602	744	nothing
622	746	nothing
661	746	one (662)
669	746	some ok, good (668) (669)
678		

91 A October 3, 1988 Barfoot Park
4:10 pm

0 –	746	nothing
3 –	746	nothing
4 –	746	nothing
6 –	746	ok
9	746	rapid, ok to good
14	746	good
17	746	nothing
21	746	some good
24	746	good
28	746	good (29)

91A October 3, 1988 Barfoot A 2

34 744 some good
39 744 loud, good
46 743 some ok
47 744 good

53 "captive type 6's together, gave alarm calls be

58 "here's the birds" nothing - some fright calls

69 more - (nothing) some fright calls of (745?)

73 October 4, 1988, Barfoot, 6 am

76 "6:50 am, flock of Type 6's ..."
78 "captive 6's became excited..."

81 "30 sec. later, wild birds? ..."

83 "flock coming in now..."

84 "crossbills across park, low in Apache pines...

89 "nothing going on 10 sec later....

97 "wild crossbill, actually quite of flock..."

100 "birds still here..."
102 "here's a ♀" - nothing
104 "caught one of the ♂'s, rest took off

108 "bird caught = 747..."

91A October 4, 1988 Barfoot

111 744 handled –
alarms – (2) – (113)
into distress

121 "wild type 6's coming in..."

123 "there were 5 birds there, may have been remainder of flock before... they took off..."

126 "crossbill coming in..."
"I see one wild bird"
some ok, good singles

133 "I don't see bird, but still here..."
"decoys" (some Type 6 calls...)
"wild rapid" some ok

148 "wild bird flew closer..."
"wild" some ok

152 "that bird was shot at and lost off side of cliff."

155 746 handled
160 one distress, then another, then series

167 "think wild bird here."

170 747 some weak, into ok
176 747 some OK

91A October 4, 1988 Chiricahuas

180 747 ok

190 747 good (193) (194) (194.5) (196)

202 743 - distress series

October 5, 1988, Bootlegger Saddle
4 decoys from Berkley, Huss 745, 747

216 "wild bird coming in here, it gave an intro
ductory song which I missed..."
"bird just swooped down, looks like a ♀.."

227 306 some good ... "just the one bird on the
rock... just flew into camp... wild" ac
more nothing decoy calls + chatter

249 "caught in the net, stop..."

249 "will be 748"

250 "wild one here..." nothing "it is a type 6"
"wild" - some good, ok

272 "that 2nd bird took off..., no sign of it..."

274 "just captured a hawk..., sharp-shin..."

276 745 some good

285 15 min later, no sign of birds

288 11:20, maybe some birds...

91 A

October 5, 1988 Chircahua

291 425 good

298 "starting to rain, 2 birds here..."
"♂ on rock... ♂-♀ pair in dead ponderosa..."

307 "♂ going down, ♀ in treetop..."

314 "♂ is in net, ♀ in doug fir..."
"continuing to rain..."

320 "♀ in young lumber pine, going down
~~also above~~ "she's under the net"

331 ♀ on ground, on rock, now she's
sort of caught, she's free."
"that was her" some weak, ok

341 wild bird is in small lumber pine...
"that was her..." some ok

355 "wild" some ok, good

381 "she's looking down again.."

383 "she's still here, 12 ft. up..."
"wild" some ok...

390 "wild" - more ok

394 "wild bird again" some ok, good

91A October 5, 1988 Chiricahua Alt.

404 748 good

422 748 nothing

428 748 good (429.5) (430) (432)

436 748 good

444 "now I'm near Onion Saddle, recording 74

446 748 nothing (450.5) (453) (454)
alarm series - good, into distress...

462 747 - nothing

474 distress series

479 "still around onion saddle, 384 calling loudly"

485 October 11, 1988, Barfoot Park, one hour after dawn
706, 425, 59, 384, 749, 745
been a bunch of rain up here, no sign of crossbills, got here 10 min ago... partly cloudy

498 wind birds at 9:01 am ...
"no sign at 9:03..."

510 749 - good (512)

91 A October 11 1988 Chiricahua

516	749 - ok
526	749 - Aonl - soft, good
543	"wild bird here... 2 birds..."
	749 some good..
549	745 no twig
553	wild birds still here, car is arriving
560	Raven just flew over, scaring-up wild crosshills...,
	384 good
565	"those birds are coming back
569	toops of wild bird, "now it tall pine" (569.5)
573	"a ♂ and 2 ♀'s"
580	"there are the wild birds..." some soft calls
587	more
592	"here they come..." some calls
599	"birds are here in tree by net"
605	"calling slightly" some soft calls
612	"there they go..."

91 A October 11, 1988

616 " 745 - good " wild took off "
"wild in fright"

626 749 some ok, good

635 type 6 alarm calls from both 745 and 749
745 alarms - ok, soft - poor - (646)
749 nothing

653 "wild birds coming in here..."

654 " flock of 8..."

677 " at least 3 ♂s, 5 ♀, spread in dead tree...

END

91 B October 11, 1988 Benfort Park, AZ

0 - " we just heard a flock of 10 birds here, they took off down the gulch..."

3 " wild birds, type 6's, coming in, 11:32 am...

6 " decoys excited, about 12:30..."
745 good

7 " flock of about 6, ..."

9 " Type 6 birds calling from treetops
745 good

12 384 good - (12) wild birds call in back

16

91B October 11, 1988 Beaufort Parker

17 749 good wild on back

24 "here comes one..."

26 "30 seconds later... "wild birds call..."

306 singles

"there goes a bird..."

34 "another joined the frock..."

"maybe only seven birds..."

749 good

40 toop by 749 (40.5)

alarm calls by somebody (decoys 306 + 425)

45 749 calls, OK

53 "taking off... 3 are coming back...

"toops at alarm calls..."

58 "there's a bunch around..."

"second is coming down..."

69 "wild birds" much calling

"foraging in this tree..."

"three trap for... good flock calls...

73 a toop

78 a toop

83 749 at 745 call

86 "wild coming in (@ 1:49 pm...)

91B October 11, 1988 Barefoot

87 745, 749 call

89 749 good "wild birds" "1:50 pm"

98 745 nothing...

99 "1:55 pm... wild bird..."

103 trap by 425

749 good

trap by 425

108

111 no sign of any wild birds.

113 " October 12, 1988, a single type 6 just arrived...

113 "wild bird's flying" (113)

116 "wild" some good (3) (116)

119 "just collected, he'll be 7:50..."

"meanwhile, about 7 o'clock now, more bird's coming

121 "wild" some good (120.5) (122.5)

124 745 alarms on traps? – into song

130 "wild bird, lone ♂ type 6, was just collected he'll be 751."

132 9:01 am October 12, single xbill just came in

134 "flock of 5 here"

134 – 152 – nothing Oct 13 ↓

152 "wild ♂ singing here... weird calls – good

165

9:B October 13 Banfort

165 - "wild bird" - weird bree's and calls
singles (170.5) (174)

181
182 "wild bird"

184 "took a shot @ that wild bird and missed..,
minutes later, he's still here...
"wild" - good calls in distance

194 "wild" - more ok calls | with toops? (203)

202 good calls. (202.5) toops

207 "wild bird flew to top of dead fuel tree..."
"that's it" some good - toops (208) (210)

212 "that bird was collected, she'll be 752.."

214 "x bills coming in here @ 3:00 pm ...
"bone wild bird here @ Banfort...

219 "wild bird here

220 "749 in response to wild birds..." - good (221)

226 "wild" - some ok, with song (225.5) (227)

235 "wild bird here..." toops, more song (235.5) (236.5)

245 "collected that bird, he'll be 753"

248 7:13 am on Oct 13, 8 type 6's here...

250 "wild" some calls

7:25 fronts of mine here in big tree in corral

91 B October 13 1988 Bangor Pa

now they fuen to the tree across the park...

260 "some coming back in..."

266 8:48 am, a flock of about 18 xbills just came in, some on way down...,

271 "flock took off, but 2 q's were captured, and they'll be 754 and 755...."

273 "wild bird still here"

274 "wild" some ok, good

279 754 good (281) (281.5)

284 755 ok

288 755 one

291 755 ok (291.5)

296 754 good (296)

299 755 ok, good (299.5) both 754, 755 (301) 755

302 754 distress series

312 755 distress series, some alarms

318 one good alarm.., then more (317) (320.5)

322

324 October 14, wild bird coming in...

325 "two birds, now in tree in corral..."

331 "two together" "wild" - some good

336 "now in trees above net..."

9:12 October 14, 1988 Bangor

338 "wild bird" some good (337) (339.5) (340)

342 "bunch more coming in..."

"bird was collected, he'll be 756..."

348 "a flock of 8 here, took off, now 5 came in..."

"Cooper's hawk just flew over..."

357 "this could be a lone ♂ ... top of pine..."

360 "wild bird."

"meanwhile other birds are coming in

370 "still trying to record this bird... top of tree..."

373 chitter

375 "wild bird going like a song ..."

"wild" = soft

386 "decays" "wild" = poor

397 "wild" ok (396.5) (397)

"got that bird, meanwhile some other crosstills coming in..."

406 "handling bird 384" - distress series

410 "handling 749"

419 alarm/scold - good (418) (418.5) (420)

424

92B Chiricahuas 21 May 1989

0 - 4 diff decoys: 306, 385, 425, 745

8 - 22 May @ Bootlegger Saddle vocal decoys = 425 & 385

14 song of 425

25 425 flight, good, an alarm, then toops

40 pine siskin here - good calls
425 good

46 junco song - (short cut) } olive warbler

54 more junco song - olive

23 May 1989
"385 & 745 were calling..."

72 385 alarms - long series

83 745 flights - good 425 bree in back

113 745 - more flights

123 306 one good, then more

133 7:00 am - heard @ least one Type 2 xbill

137 "bird must have stopped" 425 good
"begging calls"

151 chit-too calls "see 3 birds"
"two babies following ♂" chit-toos - good
"wild calls"

179 4 birds altogether ... at least 6 here begging & flights

190 group coming down

192 2 nicely caught

197 one ad. ♀ right here @ 385 chitter, bree

208 song of decoy 385 chit-too
nonst

239 got 4 in net, 2 juv, ♂, ♀

92 A Chiricahuas 23 May 1989

244 one ad ♀
249 calls. "745 there"
263 one good wild (243) (263)

268 collected that bird = 758, rest one in net...

274 alarms of 759 (2)
292 760 distress
295 toops of 760 385 song
304 good toops of 760
311 more good toops of 760 385 good song
320 425 good toops and fighting calls
324 761 good flight (328) 761
330 763 good (333.5) 763
340 761 nothing
343 762 good (345) 762
354 763 a few ok, then good
360 37 (362) = 763
372 762 ok, then good
379 759 alarms - good
382 759 alarms good
386 760 good (386.5)
395 761 good beg-like flights
402 762 good beg-like flights
416 761 good
428 762 good
437 759 good (451)
453 759 more good (454)